PART I

ITEM 1. BUSINESS

Cautionary Statement Regarding Forward-Looking Statements

The statements in this report include forward-looking statements. These forward-looking statements are based on current expectations and beliefs and involve numerous risks and uncertainties that could cause actual results to differ materially from expectations. These forwardlooking statements should not be relied upon as predictions of future events as we cannot assure you that the events or circumstances reflected in these statements will be achieved or will occur. You can identify forward-looking statements by the use of forward-looking terminology including "believes," "expects," "may," "will," "should," "seeks," "intends," "plans," "pro forma," "estimates," or "anticipates" or the negative of these words and phrases or other variations of these words and phrases or comparable terminology. The forward-looking statements relate to, among other things: demand for our products; the growth, change and competitive landscape of the markets in which we participate; our ability to obtain sufficient external financing on favorable terms, or at all; the nature and extent of our future payments to GLOBALFOUNDRIES Inc. (GF) under the wafer supply agreement (WSA) and the materiality of these payments; our ability to negotiate future amendments to the WSA; PC market conditions; our restructuring plan implemented in the fourth quarter of 2012, including, cash expenditures, and operational savings; the level of international sales as compared to total sales; our ability to sell our auction rate securities within the next twelve months; that our first ARM technology-based AMD Opteron™ processor for servers is targeted for production in 2014; that our cash, cash equivalents and marketable securities and available external financing will be sufficient to fund our operations including capital expenditures over the next twelve months; our dependence on a small number of customers; our hedging strategy; and the timing of the implementation of certain ENERGYSTAR specifications. Material factors and assumptions that were applied in making these forward-looking statements include, without limitation, the following: the expected rate of market growth and demand for our products and technologies (and the mix thereof); GF's manufacturing yields and wafer volumes; our expected market share; our expected product costs and average selling price; our overall competitive position and the competitiveness of our current and future products; our ability to introduce new products, consistent with our current roadmap; our ability to make additional investment in research and development and that such opportunities will be available; the expected demand for computers; and the state of credit markets and macroeconomic conditions. Material factors that could cause actual results to differ materially from current expectations include, without limitation, the following: that Intel Corporation's pricing, marketing and rebating programs, product bundling, standard setting, new product introductions or other activities may negatively impact our plans; that we will require additional funding and may be unable to raise sufficient capital on favorable terms, or at all; that customers stop buying our products or materially reduce their operations or demand for our products; that we may be unable to develop, launch and ramp new products and technologies in the volumes that are required by the market at mature yields on a timely basis; that our third party foundry suppliers will be unable to transition our products to advanced manufacturing process technologies in a timely and effective way or to manufacture our products on a timely basis in sufficient quantities and using competitive process technologies; that we will be unable to obtain sufficient manufacturing capacity or components to meet demand for our products or will not fully utilize our projected manufacturing capacity needs at GFs microprocessor manufacturing facilities; that our requirements for wafers will be less than the fixed number of wafers that we agreed to purchase from GF or GF encounters problems that significantly reduce the number of functional die we receive from each wafer; that we are unable to successfully implement our long-term business strategy; that we inaccurately estimate the quantity or type of products that our customers will want in the future or will ultimately end up purchasing, resulting in excess or obsolete inventory; that we are unable to manage the risks related to the use of our third-party distributors and add-in-board (AIB) partners or offer the appropriate incentives to focus them on the sale of our products; that we may be unable to maintain the level of investment in research and development that is required to remain competitive; that there may be unexpected variations in market growth and demand for our products and technologies in light of the product mix that we may have available at any particular time; that global business and economic conditions will not improve or will worsen; that PC market conditions do not improve or will worsen; that demand for computers will be lower than currently expected; and the effect of political or economic instability, domestically or internationally, on our sales or supply chain.

For a discussion of the factors that could cause actual results to differ materially from the forward-looking statements, see "Part I, Item 1A—Risk Factors" and the "Financial Condition" section set forth in "Part II, Item 7—Management's Discussion and Analysis of Financial Condition and Results of Operations," or MD&A, beginning on page 41 below and such other risks and uncertainties as set forth below in this report or detailed in our other Securities and Exchange Commission (SEC) reports and filings. We assume no obligation to update forward-looking statements.

General

We are a global semiconductor company with facilities around the world. Within the global semiconductor industry, we offer primarily:

- (i) x86 microprocessors, as standalone devices or as incorporated as an accelerated processing unit (APU), for the commercial and consumer markets, embedded microprocessors for commercial, commercial client and consumer markets and chipsets for desktop and mobile devices, including mobile personal computers, or PCs, and tablets, professional workstations and servers; and
- (ii) graphics, video and multimedia products for desktop and mobile devices, including mobile PCs and tablets, home media PCs and professional workstations, servers and technology for game consoles.

For financial information about geographic areas and for segment information with respect to revenues and operating results, refer to the information set forth in Note 12 of our consolidated financial statements, beginning on page 101 below.

Additional Information

We were incorporated under the laws of Delaware on May 1, 1969 and became a publicly held company in 1972. Since 1979 our common stock has been listed on the New York Stock Exchange under the symbol "AMD." Our mailing address and executive offices are located at One AMD Place, Sunnyvale, California 94088, and our telephone number is (408) 749-4000. References in this report to "AMD," "we," "us," "management," "our," or the "Company" mean Advanced Micro Devices, Inc. and our consolidated subsidiaries.

AMD, the AMD Arrow logo, ATI, the ATI logo, AMD Athlon, AMD Opteron, AMD Phenom, AMD Sempron, AMD Turion, FirePro, FireStream, CrossFire, Radeon, and combinations thereof are trademarks of Advanced Micro Devices, Inc. Microsoft, Windows, and DirectX are registered trademarks of Microsoft Corporation in the United States and/or other jurisdictions. HyperTransport is a licensed trademark of the HyperTransport Technology Consortium. Other names are for informational purposes only and are used to identify companies and products and may be trademarks of their respective owners.

Website Access to Company Reports and Corporate Governance Documents

We post on the Investor Relations pages of our Web site, www.amd.com, a link to our filings with the SEC, our Principles of Corporate Governance, our Code of Ethics for our Executive Officers and all other senior finance executives, our "Worldwide Standards of Business Conduct," which applies to our Board of Directors and all of our employees, and the charters of the Audit and Finance, Compensation and Nominating and Corporate Governance committees of our Board of Directors. Our filings with the SEC are posted as soon as reasonably practical after they are electronically filed with, or furnished to, the SEC. You can also obtain copies of these documents by writing to us at: Corporate Secretary, AMD, 7171 Southwest Parkway, M/S 100, Austin, Texas 78735, or emailing us at: Corporate.Secretary@amd.com. All of these documents and filings are available free of charge.

If we make substantive amendments to our Code of Ethics, or grant any waiver, including any implicit waiver, to our principal executive officer, principal financial officer, principal accounting officer or controller, or persons performing similar functions, we intend to disclose the nature of such amendment or waiver on our Web site or in a Current Report on Form 8-K in accordance with applicable rules and regulations.

Please note that information contained on our Web site is not incorporated by reference in, or considered to be a part of, this report.

Our Industry

Semiconductors are components used in a variety of electronic products and systems. An integrated circuit, or IC, is a semiconductor device that consists of many interconnected transistors on a single chip. Since the invention of the transistor in 1948, improvements in IC process and design technologies have led to the development of smaller, more complex and more reliable ICs at a lower cost per function. In order to satisfy the demand for faster, smaller and lower-cost ICs, semiconductor companies have continually developed improvements in manufacturing and process technology and design. ICs are increasingly being manufactured using smaller geometries on larger silicon wafers. Use of smaller process geometries can result in products that are higher performing, use less power and cost less to manufacture on a per unit basis.

Computing Solutions

The x86 Microprocessor Market

Central Processing Unit (CPU)

A microprocessor is an IC that serves as the central processing unit, or CPU, of a computer. It generally consists of millions of transistors that process data and control other devices in the system, acting as the brain of the computer. The performance of a microprocessor is a critical factor impacting the performance of a computer and numerous other electronic systems. The principal indicators of CPU performance are work-per-cycle, or how many instructions are executed per cycle, clock speed, representing the rate at which a CPUs internal logic operates, measured in units of gigahertz, or billions of cycles per second, and power consumption. Other factors impacting microprocessor performance include the number of cores in a microprocessor, the bit rating of the microprocessor, memory size and data access speed.

Developments in circuit design and manufacturing process technologies have resulted in significant advances in microprocessor performance. Currently, microprocessors are designed to process 32 bits or 64 bits of information at one time. The bit rating of a microprocessor generally denotes the largest size of numerical data that a microprocessor can handle. Microprocessors with 64-bit processing capabilities enable systems to have greater performance by allowing software applications and operating systems to access more memory.

Moreover, as businesses and consumers require greater performance from their computer systems due to the growth of digital data and increasingly sophisticated software applications, semiconductor companies are designing and developing multi-core microprocessors, where multiple processor cores are placed on a single die or in a single processor. Multi-core microprocessors offer enhanced overall system performance and efficiency because computing tasks can be spread across two or more processing cores each of which can execute a task at full speed. Multiple processor cores packaged together can increase performance of a computer system without greatly increasing the total amount of power consumed and the total amount of heat emitted. This type of "symmetrical multiprocessing" is effective in multi-tasking environments where multiple cores can enable operating systems to prioritize and manage tasks from multiple software applications simultaneously and also for "multi-threaded" software applications where multiple cores can process different parts of the software program, or "threads," simultaneously thereby enhancing performance of the application. Businesses and consumers also require computer systems with improved power management technology, which allows them to reduce the power consumption of their computer systems thereby reducing the total cost of ownership.

Accelerated Processing Unit (APU)

While general purpose computer architectures based on the x86 architecture are sufficient for many customers, we believe that an architecture that optimizes the use of a CPU and graphics processing unit, or GPU, for a given workload can provide a substantial improvement in user experience, performance and energy efficiency. As the volume of digital media increases, we believe end users can benefit from an accelerated computing architecture. An accelerated computing architecture enables "offloading" of selected tasks, thereby optimizing the use of multiple computational units such as the CPU and GPU, depending on the application or workload. For example, serial workloads are better suited for CPUs, while highly parallel tasks may be better performed by a GPU. Our AMD Accelerated Processing Unit, or APU, combines our CPU and GPU onto a single piece of silicon. We believe that high performance computing workloads, workloads that are visual in nature and even traditional applications such as photo and video editing or other multi-media applications can benefit from our accelerated computing architecture.

Microprocessor Products

We currently design, develop and sell microprocessor products for servers, desktop PCs and mobile devices, including mobile PCs and tablets. Our microprocessors and chipsets are incorporated into computing platforms that also include GPUs and core software to enable and advance the computing components. A platform is a collection of technologies that are designed to work together to provide a more complete computing solution. We believe that integrated, balanced platforms consisting of microprocessors, chipsets and GPUs that work together at the system level bring end users improved system stability, increased performance and enhanced power efficiency. Furthermore, by combining all of these elements onto a single piece of silicon as an APU, we believe system performance and power efficiency is further improved. In addition to the enhancements at the end-user level, we believe our customers also benefit from an all-AMD platform, as we are able to provide them with a single point of contact for the key platform components and enable them to bring the platforms to market faster in a variety of client and server system form factors.

Our CPUs and APUs are manufactured primarily using 45-nanometer (nm), 40nm, 32nm or 28nm process technology. We currently base our microprocessors and chipsets on the x86 instruction set architecture and AMD's Direct Connect Architecture, which connects an on-chip memory controller and input/output, or I/O, channels directly to one or more microprocessor cores. We typically integrate two or more processor cores onto a single die, and each core has its own dedicated cache, which is memory that is located on the semiconductor die, permitting quicker access to frequently used data and instructions. Some of our microprocessors have additional levels of cache such as L2, or second level cache, and L3, or third level cache, to enable faster data access and higher performance.

Energy efficiency and power consumption continue to be key design principles for our products. We focus on continually improving power management technology, or "performance-per-watt." To that end, we offer CPUs, APUs and chipsets with features that we have designed to reduce system level energy consumption, with multiple low power states which utilize lower clock speeds and voltages that reduce processor power consumption during both active and idle times. We design our CPUs and APUs to be compatible with operating system software such as the Microsoft® Windows® family of operating systems, Linux®, NetWare®, Solaris and UNIX.

Our AMD family of APUs represents a new approach to processor design and software development, delivering serial, parallel and visual compute capabilities for high definition (HD) video, 3D and data-intensive workloads in the APU. APUs combine high-performance serial and parallel processing cores with other special-purpose hardware accelerators. We design our APUs for improved visual computing, security, performance-per-watt and smaller device form factors. Having the CPU and GPU on the same chip reduces the system power and bill-of-materials, speeds the flow of data between the CPU and GPU through shared memory and allows the GPU to function as both a graphic engine and an application accelerator in high efficient compute platforms.

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Building on the integration of our CPU and GPU onto a single piece of silicon, we are focused on evolving our accelerated computing architecture in such a manner so that software programmers see a single multi-purpose processing unit. Heterogeneous Systems Architecture (HSA) describes our overarching design for having combinations of CPU and GPU processor cores operate as a unified engine that we intend to be both higher performance and lower power than our previous architectures.

Server. A server is a system that performs services for connected clients as part of a client-server architecture. Servers are designed to run an application or applications, often for extended periods of time with minimal human direction. Examples of servers include web servers, e-mail servers and print servers. These servers run a variety of applications including business intelligence, enterprise resource planning, customer relationship management and advanced scientific or engineering models to solve advanced computational problems in disciplines ranging from financial modeling to weather forecasting to oil and gas exploration. Servers are also used in cloud computing which is a computing model where data, applications and services are delivered over the internet or an intranet.

Our microprocessors for traditional server platforms consist of our AMD OpteronTM 6000, 4000 and 3000 series processors. We also offer high-density server platforms consisting of AMD's SeaMicro SM10000TM and SM15000TM server chassis, as well as AMD's SeaMicro FreedomTM Fabric Storage series of storage systems.

In March 2012, we acquired SeaMicro, Inc., an energy-efficient, high-bandwidth microserver company to accelerate our strategy to deliver server technology and provide end users serving Cloud-centric data centers with highly-differentiated AMD-based solutions. Our fabric technology, AMD SeaMicro Freedom supercompute fabric, links together hundreds of card-sized CPUs to create a large array of independent but linked CPUs. Work is distributed over these CPUs through hardware and software based load-balancing technology that directs traffic across the fabric such that each CPU is in its most efficient zone of performance. We designed this fabric to reduce power consumption while providing lower latency, lower cost and higher bandwidth.

In March 2012, we launched the AMD Opteron 3200 Series server processor. This entry-level server processor is designed for dedicated web hosting providers who are seeking enterprise-class servers at lower price points. In September 2012, we announced AMD's SeaMicro SM15000 server chassis, which extends fabric-based computing across racks and aisles of the data center to connect directly to large data storage systems. In November 2012, we launched the AMD Opteron 6300 Series processor based on "Piledriver," our next-generation high performance x86 multi-core architecture. We designed the AMD Opteron 6300 Series processor to balance performance, scalability and cost effectiveness to help IT organizations lower total cost of ownership. In December 2012, we launched the AMD Opteron 4300 and 3300 Series server processor, which is also based on our next-generation "Piledriver" core architecture. These processors are designed for cloud providers, web hosts and small- and medium-sized businesses to help them address space and power constraints.

Mobile Devices. Consumers continue to demand thinner and lighter mobile platforms with better entertainment performance and longer battery life. In response to this demand, we continue to invest in designing and developing higher performing and low power mobile platforms. Our APUs for mobile PC platforms consist of our performance, mainstream AMD A-Series APU, the AMD E-Series APU for everyday performance, the AMD C-Series APU for HD internet experiences in small form factors, and the AMD Z-Series APU for Windows-based tablets. Our APUs for mobile platforms combine discrete-level graphics, dedicated HD video processing and multi-core CPU processors on a single die for maximum performance and power efficiency in the smallest space. In May 2012, we introduced our second generation AMD A-Series APU for mainstream and ultrathin mobile PC platforms. In June 2012, we introduced our next generation AMD E-Series APU for mobile platforms, which meets basic performance needs at accessible price points. In October 2012, we announced the AMD Z-60 APU, codenamed "Hondo," our lowest powered APU designed for the performance tablet and small form factor PC market.

Our CPUs for mobile PC platforms also consist of the AMD Phenom™ II Mobile Processor, AMD Turion™ X2 Mobile Processor, AMD Turion II Mobile Processor, AMD Athlon™ II processor, and the Mobile AMD Sempron™ processor.

Desktop. Our APUs for desktop PC platforms consist primarily of the AMD A Series APU and the AMD E-Series APU. We designed the desktop AMD A-Series APU for mainstream desktop platforms, and it is available primarily in quad- and dual-core versions with a variety of discrete-level graphics configurations. We designed the desktop AMD E-Series APUs for essential desktop tasks, and it is available in dual-core versions with a variety of graphics configurations. In May 2012, we launched our next generation AMD A-Series APU for desktop PCs, small form-factors and home theater PCs. In June 2012, we introduced our next generation AMD E-Series APU for desktop PCs. Our second generation AMD E-Series and AMD A-Series APUs have increased x86, graphics and multi-media capabilities. In October 2012, we introduced the second generation desktop AMD FX processors based on the "Piledriver" x86 multi-core architecture, which come in eight-, six-and quad-core versions. We designed the AMD FX processors for multitasking, high resolution gaming, and HD media processing. Also in October 2012, we introduced our latest quad- and dual-core AMD A-Series APUs for mainstream desktop platforms, codenamed "Trinity" with the "Piledriver" x86 multi-core architecture.

Our CPUs for desktop PC platforms also consist of the following: AMD FX processors based on the "Bulldozer" and "Piledriver" x86 multi-core architecture, which are available in quad- and dual-core technology, AMD Athlon II processors, which are available in quad-, triple- and dual- core versions, and AMD Sempron processors, which are available in limited quantities and in select regions.

Embedded Processor Products

Our embedded products address customer needs in PC-adjacent markets. Typically, our embedded products are used in applications that require high to moderate levels of performance where key features include low cost, mobility, low power and small form factor. High performance graphics are increasingly important in many embedded systems. Customers of our embedded products include vendors in industrial controls, digital signage, point of sale/self-service kiosks, medical imaging, set-top box and casino gaming machines as well as enterprise class telecommunications, networking, security, storage systems and thin-clients, or computers that serve as an access device on a network.

The embedded market has moved from developing proprietary, custom designs to leveraging the industry-standard x86 instruction set architecture as a way to reduce costs and speed time to market. Customer requirements for these systems include: very low power for small enclosures and 24x7 operation, support for Linux, Windows and other operating systems, and high-performance for increasingly sophisticated applications. Other requirements include advanced specifications for industrial temperatures, shock and vibration, and reliability.

Our embedded platforms include options from the AMD Opteron, AMD Athlon and AMD Sempron processor families; the AMD Embedded G-Series, which is the embedded version of our APUs; the AMD Radeon™ graphics processor family; and numerous AMD chipsets. These products are part of the AMD Longevity Program, which provides for an availability period of up to five years in some cases in order to support lengthy development and qualification cycles and long-term life of the system in the market.

In May 2012, we launched the AMD Embedded R-Series APU designed for mid- to high-end graphics-intensive applications such as digital signage, casino gaming, point-of-sale systems and kiosks, as well as parallel-processing-intensive applications spanning medical imaging and security/surveillance. The AMD Embedded R-Series APU combines the new "Piledriver" architecture, with discrete class AMD Radeon™ HD 7000 series graphics that support Microsoft® DirectX® 11 (DirectX 11).

Chipset Market and Products

A chipset is the set of components that manages data flow between a processor (or processors), memory and peripherals (such as the keyboard, mouse, monitor, hard drive and CD or DVD drive). Chipsets perform essential logic functions and balance the performance of the system and aid in removing bottlenecks. Chipsets often

include graphics, audio, video and other capabilities. All desktop and mobile PCs as well as servers have a chipset. In many PCs, the chipset includes a graphics processing unit (GPU). A GPU within the chipset solution is commonly known as an integrated graphics processor (IGP), and such a chipset may be called an IGP chipset. In a system without an integrated graphics processor, a discrete GPU is usually required. By not necessitating a discrete GPU, IGP chipsets offer a lower cost solution and reduced power consumption and enable smaller system form factors. With our APU architecture, the GPU is included in the APU and the AMD Controller Hub chip performs the input and output functions of the chipset. We believe that the combination of an APU and the AMD Controller Hub will replace our market for IGP chipsets.

Our portfolio of chipset products includes chipsets with and without IGPs for desktop PCs and servers, and AMD Controller Hub-based chipsets for our APUs. We offer AMD A50-Series, A60-Series and A70-Series chipsets for our mobile PC platforms. As well, we offer AMD 9-Series, 8-Series, 7-Series Discrete and AMD 7-Series Integrated chipsets for desktop PCs.

Graphics

Graphics Market

A graphics solution can be in the form of either an APU, a GPU, an IGP, or a combination of a GPU with one of the other foregoing products working in tandem. The semiconductor graphics market addresses the need for visual or parallel processing in various computing and entertainment platforms such as desktop PCs, mobile PCs and workstations

APUs and IGPs deliver discrete GPU level functionality for value and mainstream PCs while discrete GPUs are specifically architected for high performance graphics processing. A dedicated GPU and CPU work in tandem to increase overall speed and performance of the system. Users of these graphics products value a rich visual experience, particularly in the high-end enthusiast market where consumers often seek out the fastest and highest performing visual processing products to enable the most compelling and immersive experiences. Moreover, for many consumers, the PC is evolving from a traditional data processing and communications device to an entertainment platform. Visual realism and graphical display capabilities are key elements of product differentiation among various product platforms. This has led to the increasing creation and use of processing intensive multimedia content for PCs and to manufacturers designing PCs for playing games, displaying photos and capturing TV and other multimedia content, viewing online videos, photo editing and managing digital content. In turn, the trend has contributed to the development of higher performance graphics solutions.

Graphics Products

Our customers generally use our graphics solutions to increase the speed of rendering images and to improve image resolution and color definition. We develop our products for use in desktop and mobile PCs, professional workstations, servers and gaming consoles. With each of our graphics products, we provide drivers and supporting software packages that enable the effective use of these products under a variety of operating systems and applications. In addition, our recent generation graphics products have Linux® driver support.

Heavy computational workloads have traditionally been processed on a CPU, but we believe that the industry is shifting to a new computing paradigm that increasingly relies more on the GPU or a combination of GPU and CPU. AMD Accelerated Parallel Processing or GPGPU (General Purpose GPU) refers to a set of advanced hardware and software technologies that enable AMD GPUs, working in concert with the computer system's CPUs, to accelerate applications beyond traditional graphics and video processing by allowing the CPUs and GPUs to process information cooperatively. Heterogeneous computing, which refers to computer systems that use more than one kind of processor, enables PCs and servers to run computationally-intensive tasks more efficiently, which we believe provides a superior application experience to the end user.

Discrete Desktop Graphics. We believe that discrete graphic solutions will continue to be popular across desktop PC configurations and platforms designed for gaming, multimedia, photo and video editing as well as other graphic-intensive applications. Our discrete GPUs for desktop PCs include the AMD Radeon HD 8000 series, AMD Radeon 7000 series, AMD Radeon HD 6000 series, ATI Radeon HD 5000 series, ATI Radeon HD 4000 series and ATI Radeon HD 3000 series. In 2012, we introduced a number of new GPUs based on 28nm process technology and our Graphics Core Next, or GCN, architecture. GCN architecture is our first design specifically engineered for general computing, enabling a GPU to handle workloads and programming languages traditionally exclusive to the CPU. In February 2012, we launched the AMD Radeon HD 7770 GHz Edition, AMD Radeon HD 7750 and AMD Radeon HD 7700 GPUs. In March 2012, we introduced the AMD Radeon HD 7870 GHz Edition and AMD Radeon HD 7850 GPUs. The AMD Radeon HD 7870 GHz Edition features AMD PowerTune technology and AMD ZeroCore Power technology. AMD ZeroCore Power technology powers down a GPU when the PC is in a long idle state and applications are not using background GPU resources. In June 2012, we launched the AMD Radeon™ HD 7970 GHz Edition GPU featuring next generation AMD Eyefinity technology, AMD Power Tune with Boost and AMD App Acceleration. AMD PowerTune technology manages GPU power consumption in response to GPU load conditions and allows for the GPU to run at higher clock speeds than otherwise possible. AMD PowerTune with Boost further increases the clock speed of a GPU. AMD App Acceleration is a set of technologies designed to improve video quality and enhance application performance. AMD Eyefinity technology allows for up to six independent and simultaneous monitors to be connected to one GPU.

Discrete Mobile Graphics. When selecting a graphics solution, key considerations for mobile PC manufacturers are graphics performance, visual experience, power efficiency, dedicated memory support and ease of design integration. Our discrete GPUs for mobile PCs include the following: AMD Radeon HD 8000M series, AMD Radeon 7000M series, AMD Radeon HD 6000M series, ATI Mobility Radeon HD 5000 series and ATI Mobility Radeon HD 4000 series. In April 2012, we launched AMD Radeon HD 7900M, HD 7800M and HD 7700M series GPUs. These new graphics processors are all based on 28nm process technology and our GCN architecture. In addition, the AMD Radeon HD 7000M series GPUs have AMD Enduro™ Technology, which is a power solution that automatically switches between integrated graphics and the AMD Radeon discrete GPU, depending on the system or application requirements, to help maximize battery life.

Professional Graphics. Our AMD FirePro™ family of professional graphics products consist of 3D and 2D multi-view graphics cards and GPUs that we designed for integration in mobile and desktop workstations, as well as business PCs. We designed our AMD FirePro 3D graphics cards for demanding applications such as those found in the computer aided design (CAD) and digital content creation (DCC) markets, with drivers specifically tuned for maximum performance, stability and reliability across a wide range of software packages. We designed our AMD FirePro 2D graphics cards with dual and quad display outputs for financial and corporate environments.

We also provide graphics products for the server market where we leverage our graphics expertise and align our offerings to provide the stability, video quality and bus architectures desired by our customers. Through our ATI CrossFire Pro™, we enable CAD and DCC professionals to connect two identical AMD FirePro 3D graphics cards with a flex cable connection that can enhance performance of geometry-limited applications.

In February 2012, we introduced the AMD FirePro V3900, an entry-level professional graphics card that features AMD Eyefinity technology. In August 2012, we announced AMD FirePro S9000 and S7000 server graphics cards for the high-end workstation market. In addition, we launched the next generation of AMD FirePro workstation products, W5000, W7000, W8000 and W9000 GPUs designed to balance compute and 3-D workloads efficiently for CAD and engineering and for media and entertainment professionals. We also launched AMD FirePro A300 APU for entry-level and mainstream desktop workstations for users who require a high-performance computing platform to power their professional applications. In November 2012, we introduced AMD FirePro S10000 server graphics card designed for high-performance computing workloads and graphic intensive applications.

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FireStream Processors. We designed our AMD FireStream[™] series of products to utilize the parallel stream processing power of the GPU for heavy floating-point computations and to meet the requirements of various industries, such as the high-performance computing and the scientific and financial sectors.

Game Consoles. Semiconductor graphics suppliers have leveraged their core visual and graphics processing technologies developed for the PC market by providing graphic solutions to game console manufacturers. In this market, semiconductor graphics suppliers work alongside game console manufacturers to enhance the visual experience for users of sophisticated video games. We leverage our core visual processing technology into the game console market by licensing customized GPUs for graphics in videogame consoles such as the Microsoft® Xbox 360TM, Nintendo Wii and Wii U from Nintendo.

Marketing and Sales

We sell our products through our direct sales force and through independent distributors and sales representatives in both domestic and international markets pursuant to non-exclusive agreements. Our sales arrangements generally operate on the basis of product forecasts provided by the particular customer, but do not typically include any commitment or requirement for minimum product purchases. We primarily use purchase orders, sales order acknowledgments and contractual agreements as evidence of our sales arrangements. Our agreements typically contain standard terms and conditions covering matters such as payment terms, warranties and indemnities for issues specific to our products.

We generally warrant that our products sold to our customers will conform to our approved specifications and be free from defects in material and workmanship under normal use and service for one year. Subject to certain exceptions, we also offer a three-year limited warranty to end users for only those CPU and AMD A-Series APU products that are commonly referred to as "processors in a box" and for PC workstation products. We have also offered extended limited warranties to certain customers of "tray" microprocessor products and/or workstation graphics products who have written agreements with us and target their computer systems at the commercial and/or embedded markets.

We market and sell our products under the AMD trademark. Our desktop PC product brands for microprocessors are AMD A-Series, AMD E-Series, AMD FX, AMD Athlon and AMD Sempron. Our mobile PC brands for microprocessors are AMD A-Series A, AMD E-Series, AMD C-Series, AMD Z-Series, AMD Phenom, AMD Athlon, AMD Turion and AMD Sempron. Our server brand for microprocessors is AMD Opteron. We sell micro-server systems products under the SeaMicro brand, including SM10000 and SM15000 series for fabric compute systems, and Freedom Fabric Storage series for storage systems. We also sell low-power versions of our AMD Opteron, AMD Athlon, AMD Sempron and AMD Embedded A-Series processors as embedded processor solutions. Our product brand for the consumer graphics market is AMD Radeon. Our product brand for professional graphics products is AMD FirePro. We also market and sell our chipsets under the AMD trademark.

We launch or update new platforms for consumers in the desktop and mobile markets under our VISION Technology from AMD brand. We designed VISION Technology to simplify the buying process for consumers by more clearly connecting our brand to the level of activities that consumers want to perform on the PC. VISION Technology contains multiple levels of increasingly rich PC system capabilities to address the diverse needs of today's PC users. VISION Technology initially consisted of four levels of PC system capabilities: VISION, VISION Premium, VISION Ultimate and VISION Black. Our VISION Technology brand for our low-power APU products, consists of VISION E1 and VISION E2 for our entry level PCs. Our VISION Technology brand for performance series APUs consisting of four levels of PC system capabilities: VISION A4, VISION A6, VISION A8, and VISION FX. These VISION tiers are for 2011 and later systems powered by our APUs and provide increasingly higher PC capabilities. An additional tier, VISION A10, was introduced in September 2012. VISION E1, E2, and A4 based desktops and notebooks are targeted at PC users who require basic digital media consumption such as watching DVDs, photo viewing, casual gaming, listening to music, and

Internet browsing. VISION A6, A8 and A10 based desktops and notebooks are designed to allow a greater computing performance for digital consumption and creation. These activities include watching HD movies, photo editing, DirectX 11 gaming, multi-tasking, and video editing. VISION FX desktops are based on the AMD FX processor and an AMD Radeon HD 6000, HD 7000 or HD 8000 series graphics card. We designed these VISION FX systems to enable the highest capabilities sought by enthusiasts and are only available on desktop PCs. There is also VISION Pro Technology, which is designed for business users and extends the approach of VISION Technology to commercial PC platforms.

We market our products through our direct marketing and co-marketing programs. In addition, we have cooperative advertising and marketing programs with customers and third parties, including market development programs, pursuant to which we may provide product information, training, marketing materials and funds. Under our co-marketing development programs, eligible customers can use market development funds as partial reimbursement for advertisements and marketing programs related to our products and third party systems integrating our products, subject to meeting defined criteria. Original Equipment Manufacturers, or OEMs, may qualify for market development funds based on purchases of eligible products.

Customers

Our microprocessor customers consist primarily of OEMs, original design manufacturers, or ODMs, system builders and independent distributors in both domestic and international markets. ODMs provide design and/or manufacturing services to branded and unbranded private label resellers, OEMs and system builders. Our graphics products customers include the foregoing as well as AIBs, or add-in-board manufacturers.

Customers of our chipset products consist primarily of PC and server OEMs, often through ODMs or other contract manufacturers, who build the OEM motherboards, as well as desktop and server motherboard manufacturers who incorporate chipsets into their channel motherboards.

Our sales and marketing teams work closely with our customers to define product features, performance and timing of new products so that the products we are developing meet our customers' needs. We also employ application engineers to assist our customers in designing, testing and qualifying system designs that incorporate our products in order to assist in optimizing product compatibility. We believe that our commitment to customer service and design support improves our customers' time-to-market and fosters relationships that encourage customers to use the next generation of our products.

Original Equipment Manufacturers

We focus on three types of OEMs: multi-nationals, selected regional accounts and target market customers. Large multi-nationals and regional accounts are our core OEM customers. Our OEM customers include numerous foreign and domestic manufacturers of servers and workstations, desktop and mobile PCs, and PC motherboards.

In 2012, Hewlett-Packard Company accounted for more than 10% of our consolidated net revenues. Sales to Hewlett-Packard consisted primarily of products from our Computing Solutions segment. Five customers, including Hewlett-Packard, accounted for approximately 59% of the net revenue attributable to our Computing Solutions segment. In addition, five customers accounted for approximately 48% of the net revenue attributable to our Graphics segment. A loss of any of these customers could have a material adverse effect on our business.

Third-Party Distributors

Our authorized distributors resell to sub-distributors and mid-sized and smaller OEMs and ODMs. Typically, distributors handle a wide variety of products, including those that compete with our products. Distributors typically maintain an inventory of our products. In most instances, our agreements with distributors

protect their inventory of our products against price reductions and provide return rights with respect to any product that we have removed from our price book that is not more than twelve months older than the manufacturing code date. In addition, some agreements with our distributors may contain standard stock rotation provisions permitting limited levels of product returns.

AIB Manufacturers and System Integrators

We strive to establish and broaden our relationships with AIB manufacturers. We offer component-level graphics and chipset products to AIB manufacturers who in turn build and sell board-level products using our technology to system integrators, or SIs, and at retail. Our agreements with AIBs protect their inventory of our products against price reductions. We also sell directly to our SI customers. SIs typically sell from positions of regional or product-based strength in the market. They usually operate on short design cycles and can respond quickly with new technologies. SIs often use discrete graphics solutions as a means to differentiate their products and add value to their customers.

Competition

Generally, the IC industry is intensely competitive. Products typically compete on product quality, power consumption (including battery life), reliability, speed, performance, size (or form factor), cost, selling price, adherence to industry standards (and the creation of open industry standards), software and hardware compatibility and stability, brand recognition, timely product introductions and availability. Technological advances in the industry result in frequent product introductions, regular price reductions, short product life cycles and increased product capabilities that may result in significant performance improvements. Our ability to compete depends on our ability to develop, introduce and sell new products or enhanced versions of existing products on a timely basis and at competitive prices, while reducing our costs.

Competition in the Microprocessor Market

Intel Corporation has dominated the market for microprocessors for many years. Intel's market share, margins and significant financial resources enable it to market its products aggressively, to target our customers and our channel partners with special incentives, and to discipline customers who do business with us. These aggressive activities have in the past and are likely in the future to result in lower unit sales and a lower average selling price for our products and adversely affect our margins and profitability.

Intel exerts substantial influence over computer manufacturers and their channels of distribution through various brand and other marketing programs. As a result of Intel's dominant position in the microprocessor market, Intel has been able to control x86 microprocessor and computer system standards and benchmarks and to dictate the type of products the microprocessor market requires of us. Intel also dominates the computer system platform, which includes core logic chipsets, graphics chips, motherboards and other components necessary to assemble a computer system. Original Equipment Manufacturers (OEMs), that purchase microprocessors for computer systems are highly dependent on Intel, less innovative on their own and, to a large extent, are distributors of Intel technology. Additionally, Intel is able to drive de facto standards for x86 microprocessors that could cause us and other companies to have delayed access to such standards.

Intel has substantially greater financial resources than we do and accordingly spends substantially greater amounts on marketing and research and development than we do. We expect Intel to maintain its dominant position and to continue to invest heavily in marketing, research and development, new manufacturing facilities and other technology companies. To the extent Intel manufactures a significantly larger portion of its microprocessor products using more advanced process technologies, or introduces competitive new products into the market before we do, we may be more vulnerable to Intel's aggressive marketing and pricing strategies for microprocessor products.

Intel also leverages its dominance in the microprocessor market to sell its integrated graphics chipsets. Intel manufactures and sells integrated graphics chipsets bundled with their microprocessors and is a dominant competitor with respect to this portion of our business. Intel could also take actions that place our discrete GPUs at a competitive disadvantage, including giving one or more of our competitors in the graphics market, such as Nvidia Corporation, preferential access to its proprietary graphics interface or other useful information.

As long as Intel remains in this dominant position, we may be materially adversely affected by Intel's:

- business practices, including rebating and allocation strategies and pricing actions, designed to limit our market share and margins;
- product mix and introduction schedules;
- product bundling, marketing and merchandising strategies;
- exclusivity payments to its current and potential customers and channel partners;
- control over industry standards, PC manufacturers and other PC industry participants, including motherboard, memory, chipset and basic input/output system, or BIOS, suppliers and software companies as well as the graphics interface for Intel platforms; and
- marketing and advertising expenditures in support of positioning the Intel brand over the brand of its OEM customers.

Intel's dominant position in the microprocessor market and integrated graphics chipset market, its existing relationships with top-tier OEMs and its aggressive marketing and pricing strategies could result in lower unit sales and a lower average selling price for our products, which could have a material adverse effect on us.

Other competitors include companies providing or developing ARM-based designs as relatively low cost and low power processors for the computing market including netbooks, tablets and thin client form factors, as well as dense servers, set-top boxes and gaming consoles. ARM Holdings designs and licenses its ARM architecture and offers supporting software and services. Our ability to compete with companies who use ARM-based solutions depends on our ability to design energy-efficient, high-performing products at an attractive price point. In addition, Nvidia builds custom CPU cores based on ARM architecture to support tablets and small form factor PCs, servers, workstations and super computers.

Competition in the Chipset Market

In the chipset market, our competitors include suppliers of integrated graphics chipsets. PC manufacturers use integrated chipsets because they cost less than traditional discrete GPUs while offering acceptable graphics performance for most mainstream PC users. Intel manufactures and sells integrated graphics chipsets bundled with their microprocessors and is a dominant competitor in this market.

Competition in the Graphics Market

In the graphics market, our competitors include suppliers of discrete graphics, embedded graphics processors and IGPs. Intel manufactures and sells embedded graphics processors and IGP chipsets, and is a dominant competitor with respect to this portion of our business.

The continued improvement of the quality of Intel's integrated graphics, along with higher unit shipments of our APUs, may drive computer manufacturers to reduce the number of systems they build paired with discrete graphics components, particularly for mobile PCs, because they may offer satisfactory graphics performance for most mainstream PC users, at a lower cost. Intel could take actions that place our discrete GPUs and integrated chipsets at a competitive disadvantage such as giving one or more of our competitors in the graphics market, such as Nvidia, preferential access to its proprietary graphics interface or other useful information.

Other than Intel, our principal competitor in the graphics market is Nvidia. AMD and Nvidia are the two principal players offering discrete graphics solutions. Other competitors include a number of smaller companies, which may have greater flexibility to address specific market needs, but less financial resources to do so, especially as we believe that the growing complexity of visual processors and the associated research and development costs represent an increasingly higher barrier to entry in this market.

In the game console category, we compete primarily against Nvidia. Other competitors include Intel, ARM and Imagination.

Research and Development

We focus our research and development activities on improving and enhancing product design. One main area of focus is on delivering the next generation of products with greater system level integration of the CPU and GPU, improved system performance and performance-perwatt characteristics. For example, we are focusing on improving the battery life of our microprocessors and APU products for mobile PCs and the power efficiency of our microprocessors for servers. We are also focusing on delivering a range of low power integrated platforms to serve key markets, including commercial clients, mobile computing, and gaming and media computing, as well as developing a Heterogeneous System Architecture, which is designed for software developers to easily program APUs by combining scalar processing on the CPU with parallel processing on the GPU, all while providing high bandwidth access to memory at low power. We believe that these integrated platforms will bring customers better time-to-market and increased performance and energy efficiency. We also work with industry leaders on process technology, software and other functional intellectual property and we work with others in the industry, public foundations, universities and industry consortia to conduct early stage research and development.

Our research and development expenses for 2012, 2011 and 2010 were approximately \$1.4 billion, \$1.5 billion and \$1.4 billion, respectively. For more information, see Part II, Item 7-"Management's Discussion and Analysis of Financial Condition and Results of Operations," or MD&A.

We conduct product and system research and development activities for our products in the United States with additional design and development engineering teams located in Canada, India, China, Singapore, Taiwan, United Kingdom, Israel and Japan.

Manufacturing Arrangements and Assembly and Test Facilities

Third-Party Wafer Foundry Facilities

GLOBALFOUNDRIES, *Inc.* On March 2, 2009, together with Advanced Technology Investment Company LLC (ATIC) and West Coast Hitech L.P., (WCH), acting through its general partner, West Coast Hitech G.P., Ltd., we formed GLOBALFOUNDRIES, Inc. (GF), a manufacturing joint venture that manufactures semiconductor products and provides certain foundry services to us.

Wafer Supply Agreement. A Wafer Supply Agreement (WSA) governs the terms by which we purchase products manufactured by GF. Pursuant to the WSA, we are required to purchase all of our microprocessor and APU product requirements from GF with limited exceptions.

On April 2, 2011, we entered into a first amendment to the WSA. The primary effect of the amendment was to change the pricing methodology applicable to wafers delivered in 2011 for our microprocessors, including APU products. The amendment also modified our existing commitments regarding the production of certain GPU and chipset products at GF. Pursuant to the amendment, GF committed to provide us with, and we committed to purchase, a fixed number of 45nm and 32nm wafers per quarter in 2011. We paid GF a fixed price for 45nm wafers delivered in 2011. Our price for 32nm wafers varied based on the wafer volumes and manufacturing yield of such wafers and was based on good die. In addition, we also agreed to pay an additional quarterly amount to

GF during 2012 totaling up to \$430 million if GF met specified conditions related to the continued availability of 32nm capacity as of the beginning of 2012. As part of the second amendment described below, GF agreed to waive these quarterly payments, and therefore we are no longer required to pay them.

On March 4, 2012, we entered into a second amendment to the WSA. The primary effect of this second amendment was to modify certain pricing and other terms of the WSA applicable to wafers for our microprocessor and APU products to be delivered by GF to us during 2012. Pursuant to the second amendment, GF committed to provide us with, and we committed to purchase, a fixed number of production wafers in 2012. We paid GF fixed prices for production wafers delivered in 2012. The second amendment also granted us certain rights to contract with another wafer foundry supplier with respect to specified 28nm products for a specified period of time. In consideration for these rights, we agreed to pay GF \$425 million and transfer to GF all of the capital stock of GF that we owned. Pursuant to the second amendment, \$150 million of the \$425 million was paid on March 5, 2012, \$50 million was paid on June 29, 2012, \$50 million was paid on October 1, 2012, and the remaining \$175 million was paid by December 31, 2012. In addition, as security for the final two payments, we issued a \$225 million promissory note to GF.

On December 6, 2012, we entered into a third amendment to the WSA. Pursuant to the third amendment we modified our wafer purchase commitments for the fourth quarter of 2012 under the second amendment to the WSA. In addition, we agreed to certain pricing and other terms of the WSA applicable to wafers for our microprocessor and APU products to be delivered by GF to us during 2013 and through December 31, 2013. Pursuant to the third amendment, we committed to purchase a fixed number of production wafers at negotiated prices in the fourth quarter of 2012 and through December 31, 2013. GF agreed to waive a portion of our wafer purchase commitments for the fourth quarter of 2012. In consideration for this waiver, we agreed to pay GF a fee of \$320 million. The cash impact of this \$320 million fee will be spread over several quarters, with \$80 million paid by December 28, 2012 and \$40 million payable by April 1, 2013. For the remainder of the fee, on the same date we entered into the third amendment, we issued a \$200 million promissory note to GF that matures on December 31, 2013. As part of the third amendment, we committed to purchase wafers from GF for approximately \$250 million during the first quarter of 2014. We expect to negotiate the remainder of our 2014 purchase commitments from GF in 2013.

The WSA terminates no later than March 2, 2024. GF has agreed to use commercially reasonable efforts to assist us to transition the supply of products to another provider, and to continue to fulfill purchase orders for up to two years following the termination or expiration of the WSA. During the transition period, pricing for microprocessor products will remain as set forth in the WSA, but our purchase commitments to GF will no longer apply.

GF currently manufactures our microprocessors on 300 millimeter wafers using primarily 45nm and 32nm process technology.

Taiwan Semiconductor Manufacturing Company. We also have foundry arrangements with Taiwan Semiconductor Manufacturing Company (TSMC) for the production of certain graphics processors and chipsets, embedded processors, and APU products.

We are in production in TSMC's 300 millimeter and 200 millimeter fabrication facilities in technologies ranging from 65nm to 28nm. Smaller process geometries can lead to gains in performance, lower power consumption and lower per unit manufacturing costs. We continue to have our products manufactured on more advanced process technology because using more advanced process technology can contribute to lower product manufacturing costs and improve a product's performance and power efficiency.

Other Third-Party Manufacturers. We outsource board-level graphics product manufacturing to third-party manufacturers.

Assembly, Test, Mark and Packaging Facilities

We own and operate two assembly, test, mark and packaging facilities. Some wafers for our microprocessor, graphics processor and embedded processor products are delivered from third-party foundries to our assembly, test, mark and packaging facilities. Our assembly, test, mark and packaging facilities are described in the chart set forth below:

	Approximate	
	Manufacturing	
	Area Square	
Facility Location	Footage	Activity
Penang, Malaysia	206,000	Assembly, Test, Mark & Packaging
Suzhou, China	100,000	Assembly, Test, Mark & Packaging

The remaining wafers for our graphics products are delivered from third party foundries to our test, assembly and packaging partners located in the Asia-Pacific region who package and test the final semiconductor products.

Intellectual Property and Licensing

We rely on contracts and intellectual property rights to protect our products and technologies from unauthorized third-party copying and use. Intellectual property rights include copyrights, patents, patent applications, trademarks, trade secrets and maskwork rights. As of December 29, 2012, we had approximately 4,700 patents in the United States and approximately 1,600 patent applications pending in the United States. In certain cases, we have filed corresponding applications in foreign jurisdictions. We expect to file future patent applications in both the United States and abroad on significant inventions, as we deem appropriate. We do not believe that any individual patent, or the expiration thereof, is or would be material to our business.

As is typical in the semiconductor industry, we have numerous cross-licensing and technology exchange agreements with other companies under which we both transfer and receive technology and intellectual property rights. One such agreement is the cross-license agreement that we entered into with Intel on November 11, 2009, in connection with the settlement of our litigation. Under the cross license agreement, Intel has granted to us and our subsidiaries, and we have granted Intel and its subsidiaries, non-exclusive, royalty-free licenses to all patents that are either owned or controlled by the parties at any time that have a first effective filing date or priority date prior to the five-year anniversary of the effective date of the cross license agreement, referred to as the "Capture Period," to make, have made, use, sell, offer to sell, import and otherwise dispose of certain semiconductor- and electronic-related products anywhere in the world. Under the cross license agreement, Intel has rights to make semiconductor products for third parties, but the third party product designs are not licensed as a result of such manufacture. We have rights to perform assembly and testing for third parties but not rights to make semiconductor products for third parties. The term of the cross license agreement continues until the expiration of the last to expire of the licensed patents, unless earlier terminated. A party can terminate the cross license agreement or the rights and licenses of the other party if the other party materially breaches the cross license agreement and does not correct the noticed material breach within 60 days. Upon such termination, the terminated party's license rights terminate but the terminating party's license rights continue, subject to that party's continued compliance with the terms of the cross license agreement. The cross license agreement and the Capture Period will automatically terminate if a party undergoes a change of control (as defined in the cross license agreement) and both parties' licenses will terminate. Upon the bankruptcy of a party, that party may assume, but may not assign, the cross license agreement, and in the event that the cross license agreement cannot be assumed, the cross license agreement and the licenses granted will terminate.

We also have a patent cross license agreement with GF pursuant to which each party granted to the other a non-exclusive license under patents filed by a party (or are otherwise acquired by a party) within a certain number of years following the effective date of the agreement. In 2009, under the agreements with GF, we

assigned approximately 3,000 patents and approximately 1,000 patent applications to GF. GF owns its allocation of patents and applications subject to pre-existing rights, licenses or immunities granted to third parties relating to such patents and applications. The patents and patent applications to be owned by each party after the division were licensed to the other party pursuant to the agreement.

In addition, we entered into a Non-Patent Intellectual Property and Technology Transfer Agreement with GF pursuant to which we assigned to GF all of our right, title and interest in technology and non-patent intellectual property rights used exclusively in the manufacture, sorting and/or intermediate testing of semiconductor products. We retained technology and non-patent intellectual property rights used exclusively in the design and/or post-fabrication delivery testing of semiconductors. Technology and non-patent intellectual property rights used both in the manufacture, sorting and/or intermediate testing of semiconductor products and in the design and/or post-fabrication delivery testing of semiconductor products are owned jointly by us and GF.

Backlog

We sell standard lines of products. Sales are made primarily pursuant to purchase orders for current delivery or agreements covering purchases over a period of time. Some of these orders or agreements may be revised or cancelled without penalty. Generally, in light of current industry practice, we do not believe that such orders or agreements provide meaningful backlog figures or are necessarily indicative of actual sales for any succeeding period.

Employees

As of December 29, 2012, we had approximately 10,340 employees.

Environmental Regulations

Many aspects of our business operations and products are regulated by domestic and international environmental laws and regulations. These regulations include limitations on discharge of pollutants to air, water, and soil; remediation requirements; product chemical content limitations; manufacturing chemical use and handling restrictions; pollution control requirements; waste minimization considerations; and requirements with respect to treatment, transport, storage and disposal of solid and hazardous wastes. If we fail to comply with any of the applicable environmental regulations we may be subject to fines, suspension of production, alteration of our manufacturing processes, import/export restrictions, sales limitations, and/or criminal and civil liabilities. Existing or future regulations could require us to procure expensive pollution abatement or remediation equipment; to modify product designs; or to incur other expenses to comply with environmental regulations. Any failure to adequately control the use, disposal or storage, or discharge of hazardous substances could expose us to future liabilities that could have a material adverse effect on our business. We believe we are in material compliance with applicable environmental requirements and do not expect those requirements to result in material expenditures in the foreseeable future.

Environmental laws are complex, change frequently and have tended to become more stringent over time. For example, the European Union (EU) and China are two among a growing number of jurisdictions that have enacted restrictions on the use of lead and other materials in electronic products. Other countries have also implemented similar restrictions. These regulations affect semiconductor devices and packaging. As regulations restricting materials in electronic products continue to increase around the world, there is a risk that the cost, quality and manufacturing yields of products that are subject to these restrictions, may be less favorable compared to products that are not subject to such restrictions, or that the transition to compliant products may produce sudden changes in demand, which may result in excess inventory.

In August 2012, the SEC adopted its final rule to implement Section 1502 of the Dodd-Frank Wall Street Reform and Consumer Protection Act regarding disclosure and reporting requirements for companies who use

"conflict" minerals mined from the Democratic Republic of Congo and adjoining countries in their products, whether or not these products are manufactured by third parties. As there are many sources of these materials, these new requirements are unlikely to affect the sourcing of minerals used in the manufacture of semiconductor devices but will add additional costs associated with complying with the disclosure requirements, such as costs related to determining the source of any conflict minerals used in our products, auditing the process and reporting to our customers and the US government. Also, since our supply chain is complex, we may face reputational challenges if we are unable to sufficiently verify the origins of the subject minerals. Moreover, we may encounter challenges to satisfy those customers who require that all of the components of our products are certified as conflict free and if we cannot satisfy these customers, they may choose a competitor's products.

A number of jurisdictions including the EU, Australia and China are developing or finalizing market entry or public procurement requirements for computers and servers based on ENERGY STAR specification as well as additional energy consumption limits. Some of these regulations are expected to be approved and implemented in 2013. If such regulations do not contain recommended modifications as proposed by AMD or industry associations, there is the potential for certain of our microprocessor, chipset and GPU products, as incorporated in desktop and mobile PCs, workstations, servers and other information and communications technology products being excluded from some of these markets which could materially adversely affect us.

While we have budgeted for foreseeable associated expenditures, we cannot assure you that future environmental legal requirements will not become more stringent or costly in the future. Therefore, we cannot assure you that our costs of complying with current and future environmental and health and safety laws, and our liabilities arising from past and future releases of, or exposure to, hazardous substances will not have a material adverse effect on us. See also, "Item 3- Legal Proceedings—Environmental Matters," below.

ITEM 1A. RISK FACTORS

The risks and uncertainties described below are not the only ones we face. If any of the following risks actually occurs, our business, financial condition or results of operations could be materially adversely affected. In addition, you should consider the interrelationship and compounding effects of two or more risks occurring simultaneously.

Intel Corporation's dominance of the microprocessor market and its aggressive business practices may limit our ability to compete effectively.

Intel Corporation has dominated the market for microprocessors for many years. Intel's market share, margins and significant financial resources enable it to market its products aggressively, to target our customers and our channel partners with special incentives, and to discipline customers who do business with us. These aggressive activities have in the past and are likely in the future to result in lower unit sales and a lower average selling price for our products and adversely affect our margins and profitability.

Intel exerts substantial influence over computer manufacturers and their channels of distribution through various brand and other marketing programs. As a result of Intel's dominant position in the microprocessor market, Intel has been able to control x86 microprocessor and computer system standards and benchmarks and to dictate the type of products the microprocessor market requires of us. Intel also dominates the computer system platform, which includes core logic chipsets, graphics chips, motherboards and other components necessary to assemble a computer system. Original Equipment Manufacturers (OEMs), that purchase microprocessors for computer systems are highly dependent on Intel, less innovative on their own and, to a large extent, are distributors of Intel technology. Additionally, Intel is able to drive de facto standards for x86 microprocessors that could cause us and other companies to have delayed access to such standards.

Intel has substantially greater financial resources than we do and accordingly spends substantially greater amounts on marketing and research and development than we do. We expect Intel to maintain its dominant position and to continue to invest heavily in marketing, research and development, new manufacturing facilities and other technology companies. To the extent Intel manufactures a significantly larger portion of its microprocessor products using more advanced process technologies, or introduces competitive new products into the market before we do, we may be more vulnerable to Intel's aggressive marketing and pricing strategies for microprocessor products.

Intel also leverages its dominance in the microprocessor market to sell its integrated graphics chipsets. Intel manufactures and sells integrated graphics chipsets bundled with their microprocessors and is a dominant competitor with respect to this portion of our business. Intel could also take actions that place our discrete GPUs at a competitive disadvantage, including giving one or more of our competitors in the graphics market, such as Nvidia Corporation, preferential access to its proprietary graphics interface or other useful information.

As long as Intel remains in this dominant position, we may be materially adversely affected by Intel's:

- business practices, including rebating and allocation strategies and pricing actions, designed to limit our market share and margins;
- product mix and introduction schedules;
- product bundling, marketing and merchandising strategies;
- exclusivity payments to its current and potential customers and channel partners;
- control over industry standards, PC manufacturers and other PC industry participants, including motherboard, memory, chipset and basic input/output system, or BIOS, suppliers and software companies as well as the graphics interface for Intel platforms; and
- marketing and advertising expenditures in support of positioning the Intel brand over the brand of its OEM customers.

Intel's dominant position in the microprocessor market and integrated graphics chipset market, its existing relationships with top-tier OEMs and its aggressive marketing and pricing strategies could result in lower unit sales and a lower average selling price for our products, which could have a material adverse effect on us.

The success of our business is dependent upon our ability to introduce products on a timely basis with features and performance levels that provide value to our customers while supporting and coinciding with significant industry transitions.

Our success depends to a significant extent on the development, qualification, implementation and acceptance of new product designs and improvements that provide value to our customers. Our ability to develop, qualify and distribute new products and related technologies to meet evolving industry requirements, at prices acceptable to our customers and on a timely basis are significant factors in determining our competitiveness in our target markets. For example, form factors have increasingly shifted from desktop PCs to mobile PCs, and tablets have been one of the fastest growing form factors. Also, ARM-based processors are being used in mobile and embedded electronics products as relatively low cost and small microprocessors and also in form factors such as laptops, tablets and smartphones. Historically, a significant portion of our Computing Solutions revenue has been related to desktop PCs. Currently, approximately 85% of our business is focused on the legacy PC portions of the market, projected to have slowing growth over the next several years. To the extent consumers adopt new form factors and have different requirements than those consumers in the PC market, PC sales could be negatively impacted, which could negatively impact our business. If we fail to or are delayed in developing, qualifying or shipping new products or technologies that provide value to our customers and address these new trends, we may lose competitive positioning, which could cause us to lose market share and require us to discount the selling prices of our products. Although we make substantial investments in research and development, we cannot be certain that we will be able to develop, obtain or successfully implement new products and technologies on a timely basis.

Delays in developing, qualifying or shipping new products can also cause us to miss our customers' product design windows. If our customers do not include our products in the initial design of their computer systems, they will typically not use our products in their systems until at least the next design configuration. The process of being qualified for inclusion in a customer's system can be lengthy and could cause us to further miss a cycle in the demand of end-users, which also could result in a loss of market share and harm our business.

Moreover, market demand requires that products incorporate new features and performance standards on an industry-wide basis. Over the life of a specific product, the average selling price undergoes regular price reductions. The introduction of new products and enhancements to existing products is necessary to maintain an overall corporate average selling price. If we are unable to introduce new products with sufficient increases in average selling price or increased unit sales volumes capable of offsetting the reductions in the average selling price of existing products, our business could be materially adversely affected.

Global economic uncertainty may adversely impact our business and operating results.

Uncertain global economic conditions have in the past and may in the future adversely impact our business. Uncertainty in the worldwide economic environment may negatively impact consumer confidence and spending causing our customers to postpone purchases. For example, our revenue in the second half of 2012 was adversely affected, in part, by the overall weakness in the global economy and weak consumer demand for end-user PC products, which impacted sales. We do not expect PC market conditions to improve during the first half of 2013.

In addition, during challenging economic times, our current or potential future customers may experience cash flow problems and as a result may modify, delay or cancel plans to purchase our products. Additionally, if our customers are not successful in generating sufficient revenue or are unable to secure financing, they may not be able to pay, or may delay payment of, accounts receivable that they owe us. Any inability of our current or potential future customers to pay us for our products may adversely affect our earnings and cash flow. Moreover,