

ALCOA . AMERICAN AIRLINES . AMTELCO . APPLIED BIOSYSTEMS . ARABIAN BECHTEL . AVCO / TEXTRON SYSTEMS . BABCOCK & WILCOX . BOEING COMPUTER SERVICES . COMPUTER SCIENCES CORP. . DELTA AIRLINES . DETROIT DIESEL . DIGILOG . DREXEL BROOK ENGINEERING . E.I. DUPONT . EASTMAN KODAK . EDWARDS AIR FORCE BASE . EUROPAY INTERNATIONAL . FEDERAL EXPRESS . FORCE COMPUTERS . FOREST GROVE INDUSTRIES . GENERAL ELECTRIC . HONEYWELL AVIONICS SYSTEMS . HUGHES AIRCRAFT . IT&T POWER SYSTEMS . JET PROPULSION LABS . JOHN BROWN MACHINE . KAMAN AEROSPACE . LAND O'FROST . LIQUID INDUSTRIAL WEIGHING SYSTEMS . LITTON GUIDANCE & CONTROL . LOCKHEED MISSILES & SPACE .



FORTH, Inc. 
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More than twenty-five years ago, FORTH, Inc. was founded to serve developers of software for embedded systems and industrial controls. As the technology has evolved, so has the depth and breadth of our experience. We deliver code for new and custom hardware, do custom programming for numerous application domains, and produce development environments for many platforms and purposes. Today, we are as pleased to have solo programmers using our systems as we are to have Fortune 500 companies in our international clientele.

Relationships with our customers are based on trust and respect. Users of our products quickly learn that we deliver only the highest quality development environments and custom applications. And we always are available to help with unusual requirements and exceptionally demanding projects.

Our corporate philosophy is the foundation of our continued technical excellence and longevity in the marketplace. Simply, it puts the user's requirements first. In our daily business practice, this means:

- We'll assist in whatever way you prefer: by answering questions and standing aside, by acting as a mentor, or by taking a hands-on role in your project.
- We challenge preconceptions if that's what it takes to exceed expectations. We love to show how to pack more functionality into fewer resources, compared to other systems!
- We welcome the challenge of working in constrained environments, and we *thrive* there. Of course, resource-rich projects benefit, too.
- You get the same software tools our engineers use in challenging, real-world applications development. And all our systems are available with source code!

When we measure our success we first think of our customers. To us, customers are partners: only when you and your project succeed do we consider our job done. To get you there, we offer excellent technical support, training, consultation, design, contract programming... whatever it takes to deliver reliable, high-performance applications that meet, or exceed, the specifications.

Innovation tempered by reliability and resourcefulness... since 1973

FORTH, Inc.'s "total solutions support" provides custom programming services such as system design and engineering, special versions of our standard products, and complete application development. Our experts can turn a fresh concept into a new product, or can just help you over the rough spots.

Our track record in custom software development includes diverse and challenging projects like "smart card" terminals and vending machines, handheld devices, communication devices, antenna tracking systems, large-scale statistical data analysis, discrete manufacturing and industrial process control, robotics, and HVAC systems for large building complexes.

The powerful Forth language development software we use in our contract work is also available in our line of off-the-shelf products used by engineers around the world. These include:

■ **PC and Windows applications**

SwiftForth™ — Full-featured development system for Windows; lets you write applications, make DLLs, use state-of-the-art debugging and GUI tools.
polyFORTH™ — Optimized for creating PC-based, real-time applications.

■ **Embedded systems**

SwiftX™ — Powerful Windows-based development of embedded systems for most microcontrollers.

■ **Macintosh applications**

Power MacForth™ — Complete support for developing Macintosh applications; high-performance Forth with access to all Mac Toolbox calls.

■ **Industrial controls**

EXPRESS™ — "SoftLogic" for automating processes and entire factories.

Forth's undisputed advantage is that it was designed specifically for interactive development and resource-constrained embedded systems. It produces high-performance programs that are significantly smaller than those created in most other languages—typically half the size of C code, and often smaller! This saves you money on target embedded hardware. For all applications, Forth's natural interactivity and modularity improve programmer productivity and program reliability, so your programs are completed more quickly and are more reliable and easier to maintain.

"I have competed with a team of ten C programmers. I used three Forth programmers. We consistently beat the C guys, finishing the application in 1/3 the time. We got approximately ten times the productivity."

—Michael Simon
 Space-Time Productions

"The ability...to debug hardware and software interfaces, model missing hardware, simulate system malfunctions, and support system integration dramatically helped in the quick generation of error-free software."

—Robert T. Caffrey
 NASA/GSFC

