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Portfolio



Preeti Sharma



PPT Slides

Introduction Black Box / DKM

Tom Fitzgerald

BLACK BOX®

Main Markets

- DKM first choice in Matrix systems where IP is not the preferred option



Defense/Public Safety

- Secure access to data/Training
- Simulators/Monitor & Response
- Control Room operations
- Collaborative working
- Resilience/Redundancy
- Reduce Space & Environmental issues at user
- EAL4/NILP

Key Applications: Analyst Desks, Control Centres



Industrial

- Monitor & Response/Process Control
- Optimize work-flow operations
- Resilience/Redundancy
- Reduce Space & Environmental issues at user
- Legacy Connectivity
- Certifications

Key Applications: Remote control of machines, Securing data/assets



Transportation

- Air traffic control/Rail/Shipping
- Optimize work-flow operations
- Resilience/Redundancy
- Reduce Space & Environmental issues at user
- Legacy Connectivity

Key Applications: Bridge control consolidation on a Ship, Traffic Controller station

Modular Switches – Enterprise Switches



48 port capacity
3U height



80 port capacity
4U height



160 port capacity
9U height



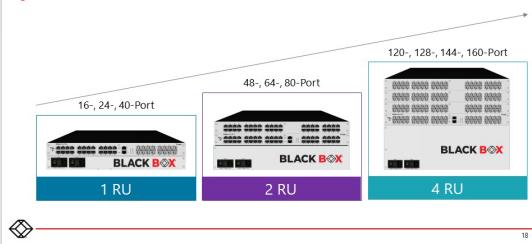
288 port capacity
13U height



576 port capacity
13U height

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DKM – Compact II



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Extender I/O Modules

Video

- DVI-D, Display Port/4K, SDI, HDMI, VGA
- Single/Dual/Multi-Head
- Single/Dual-Link

Audio

- Analog (Bi-Di), Digital (uni- or bidirectional)

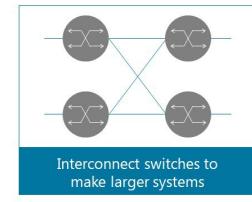
Peripherals / Data

- USB 2.0, USB-HID, RS-232, IR



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Switch Interconnection



Interconnect switches to make larger systems



Reduce fiber usage with CWDM mux

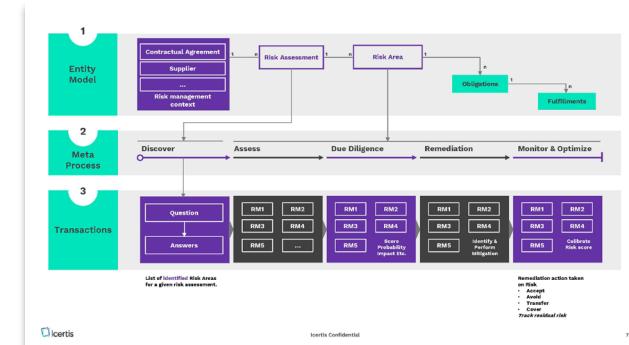
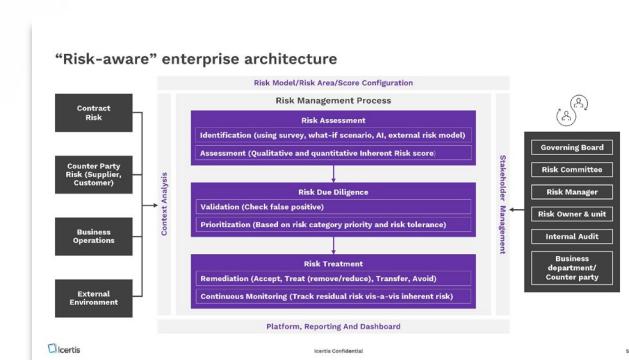
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ICI Risk Management App

Explainer

icertis



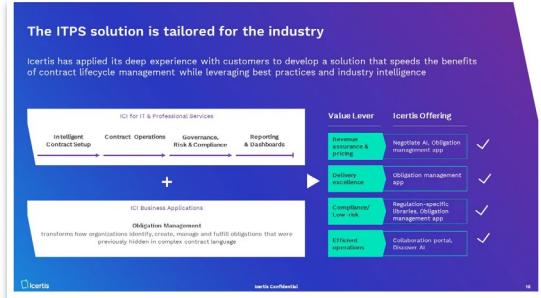
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Icertis Contract Intelligence
A smarter approach to business

Icertis

A woman in an orange shirt points at a computer screen while a man in a green shirt looks on.



CLM solutions can transform contracts into valuable corporate assets...

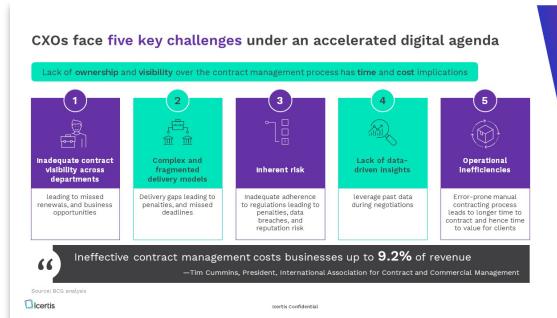
Efficient contract lifecycle management can unlock significant value across levers

Revenue assurance & pricing 2-3% revenue uplift • Track contract renewals • Better price negotiation	Delivery excellence 20-30% reduction in performance related penalties • Tracking contract terms like COLA clauses	Compliance & low-risk Up to 80% contracts have become compliant • 1-2% cost optimization	Efficient operations 30-40% reduction in FTE time spent by operations, & legal teams, due to process automation • Reducing contract review time by 3rd party contract review firms • ~50% reduction in 3rd party contract reviewing time
--	--	---	--

30-40% reduction in FTE time spent by operations, & legal teams, due to process automation

Source: BCG analysis
Icertis

Icertis Confidential



CXOs face five key challenges under an accelerated digital agenda

Lack of ownership and visibility over the contract management process has time and cost implications

1. Inadequate contract visibility across departments
leading to missed renewals, and business opportunities
2. Complex and fragmented delivery models
Delivery gaps leading to penalties, and missed deadlines
3. Inherent risk
Inadequate adherence to regulations leading to penalties, legal breaches, and reputation risk
4. Lack of data-driven insights
Leverage past data during negotiations
5. Operational inefficiencies
Error-prone manual contracting process leading to contract and hence time to value for clients

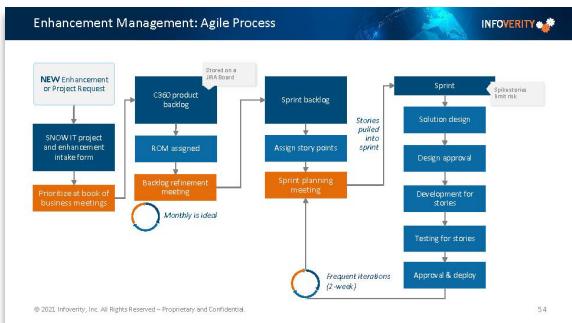
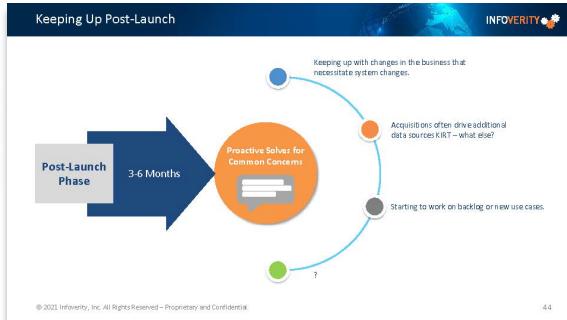
“ Ineffective contract management costs businesses up to 9.2% of revenue
—Tim Cummins, President, International Association for Contract and Commercial Management

Source: BCG analysis
Icertis

Icertis Confidential

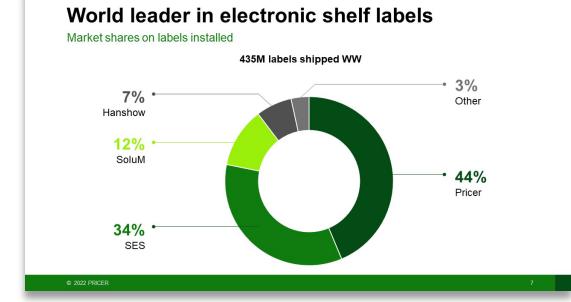


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The Core of Store Digitalization
Prepared for (Contact name), (Customer name)



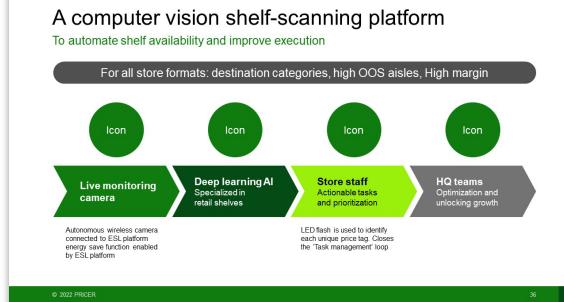
Waste management with real-time flash
"Do 100 checks every day instead of 5000 per week"

Setup: Most waste with short expiration date
Checking: Scan products and alertness action
Mark Down: 10% savings with stock down accordingly
Update: Update product after check enter new expiration date
Analysis: Identify products up to 2 plus weeks before exp.
Reduced waste: Notifications are sent to store staff when product reaches its expiration date only those products

~50% Time related savings to expiration date checking
20 - 40% Reduced waste

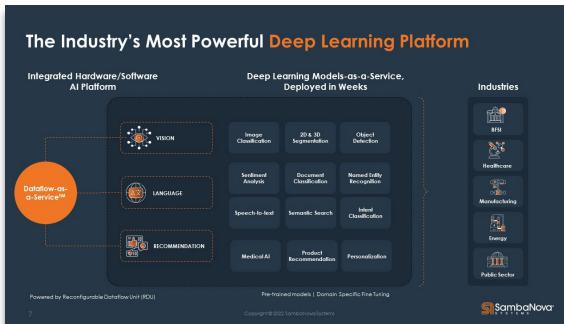
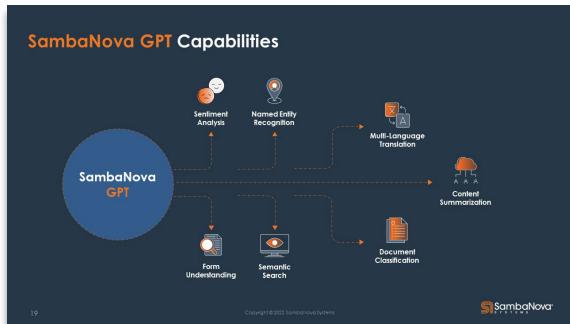
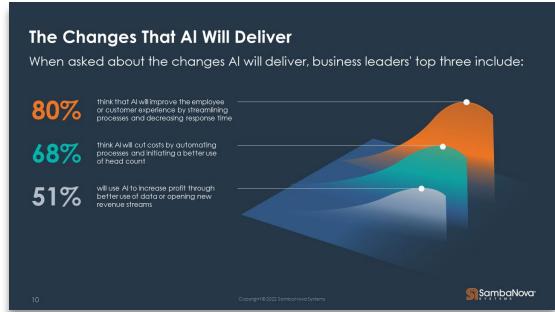
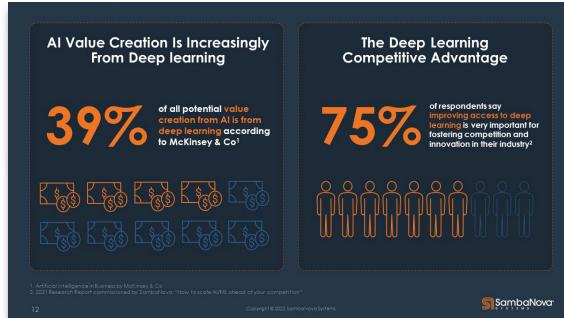
PRICER

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PPT Slides

Ai4 Healthcare
Greg McFaul, Director
Healthcare and Life Sciences
SambaNova Systems
08.17.22



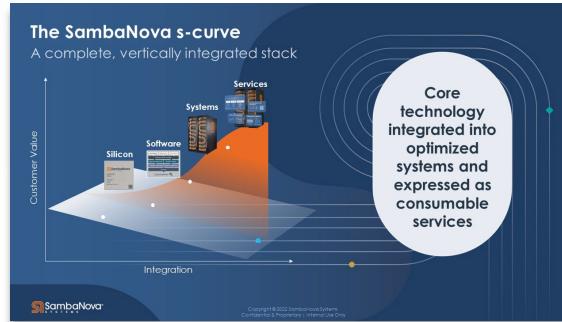
PPT Slides

Announcing: Customer value-based pricing
Always-on innovation, unlimited pre-training and inference

100% Subscription

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Introducing SambaNova Dataflow-as-a-Service GPT

LOREM IPSUM

- Lorem ipsum

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10

Pre-trained Foundation Models to Accelerate Time to Value

3.5 Weeks → **22x Faster Time to Value** ← **1.5 Years**
Training and Deployment

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The SambaNova foundation model platform
Innovation at each layer of the stack

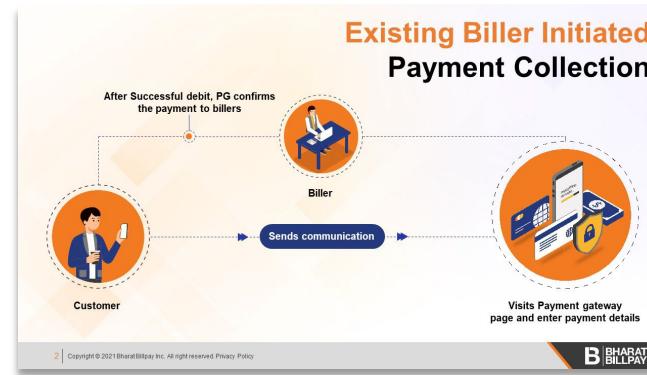
Purpose built for the most challenging deep learning, AI for Science, and foundation model workloads

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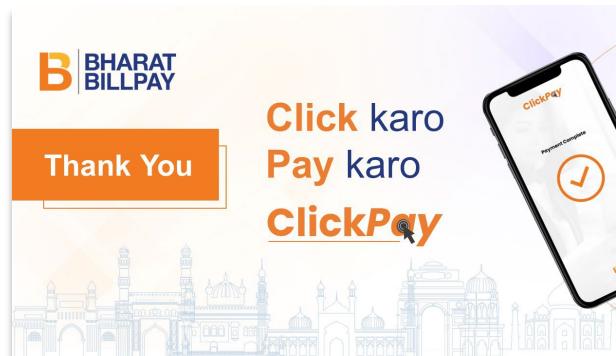
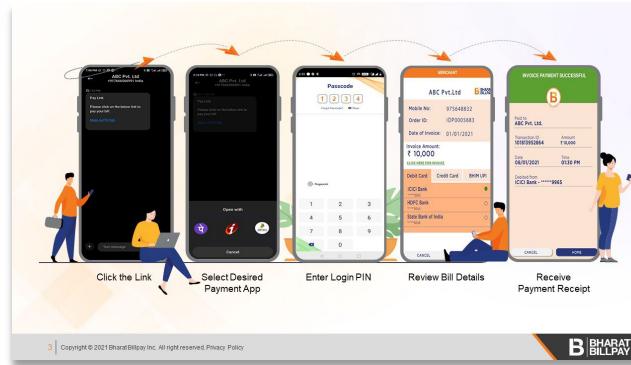
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PPT Slides



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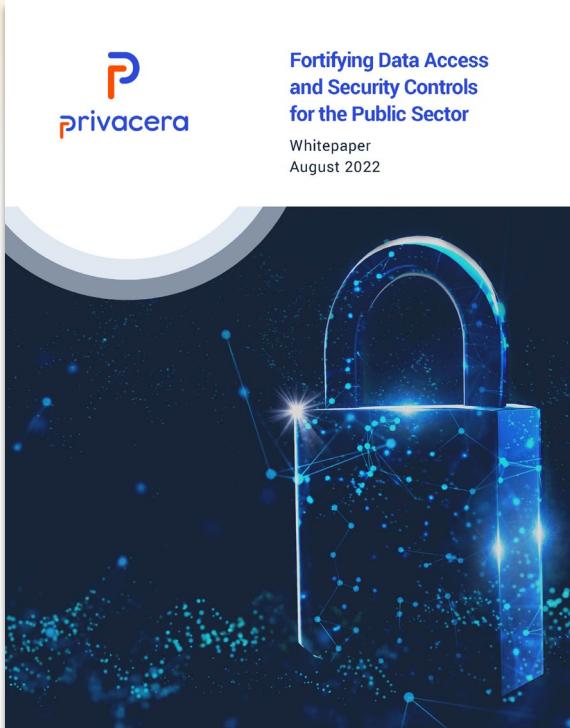


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Word Documents



privacera

Fortifying Data Access and Security Controls for the Public Sector

Whitepaper
August 2022

Fortifying Data Access and Security Controls for the Public Sector

Resolving the Conflict

Privacera's centralized access governance and data privacy framework uses the approach of securing data assets at the data level to resolve the government's conflicting data interests in several ways. The first is by a flexible architecture designed for cloud services that resonate with this space because many federal entities are coming from Cloudera, are familiar with [Apache Ranger](#), and have existing Ranger policies. The lightweight nature of this architecture is perfect to layer into federal compute platforms because it's mostly plugin based. These plugins swiftly authenticate users to support the performance of thousands of users simultaneously accessing and querying data while these unified platforms continue to run natively.



Privacera scales to manage hundreds of thousands of users and more than 25 petabytes of data; it's also highly extensible and built on open standards. Moreover, it fortifies authentication, access controls, and data governance to enhance security within individual sources, operating at the data (instead of the perimeter) level. This is key for satisfying the dual mandate of data democratization with a light architectural footprint in sources that supports performance needs while delivering the security for dependable access controls and regulatory compliance.

questions@privacera.com | privacera.com | 510.413.7300 | [privacera](#) | [privacera](#)

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Fortifying Data Access and Security Controls for the Public Sector

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PS

Word Documents

SambaNova
DATA SHEET

SambaNova DataScale® SN30

The Platform for Innovation

Features:

- SambaNova Reconfigurable Dataflow Architecture™ (RDA)
- State-of-the-art SambaNova Reconfigurable Dataflow Unit™ (RDU)
- Terabytes of memory
- SambaNova SambaFlow™
- Subscription pricing

Benefits:

- Unprecedented performance for the most demanding applications
- Ability to run the largest models and process the largest data
- Ease of use. Users interact with common frameworks and need not use proprietary programming languages
- Automatically extracts, optimizes, and executes the optimal dataflow graph of compute and communication from Reconfigurable Dataflow Units
- Seamless scalability across systems using standard back-to-back bandwidth and latency
- Complete hardware and software system for training and inference

SambaNova DataScale® is a fully integrated hardware-software system that enables organizations to train and deploy the most demanding deep learning workloads, from Model, and AI for Science workloads and achieve world record performance with the largest and most challenging models such as GPT.

Cardinal SN30

SambaFlow Software


DataScale SN30


DataScale computing architecture combined with large on-chip and system memory enable organizations to manage state-of-the-art models which cannot be practically handled by GPUs, such as:

- Very large models, such as 100+ parameter large language models
- Very large data, such as ultra-high resolution 2D and 3D image data
- Very detailed models, such as RNNs, sparse models, and AI for Science workflows

Powered by the state-of-the-art SambaNova Reconfigurable Dataflow Unit, DataScale delivers world record time to train performance and world record GPT accuracy, combined with unprecedented ease of use, to power the most advanced deep learning, Foundation Model, and AI for Science workloads.

DataScale reduces the cost and complexity of AI initiatives by providing a fully integrated system, from silicon to software, that is designed to deliver a unique combination of unmatched performance, unprecedented ease of use, and seamless scalability.

Built with the SambaNova Reconfigurable Architecture

DataScale is a rack-level data center solution that can be installed and operational in only minutes. The SambaFlow complete software stack delivers the only practical solution to running complex AI and deep learning models with significant parallelization efforts and enables users to run their own models without any proprietary programming languages. Users interact with common open source ML frameworks, such as PyTorch and TensorFlow. Low-code/no-code APIs dramatically simplify management with no proprietary knowledge required.

DataScale's Dataflow computing architecture combined with large on-chip and system memory enable organizations to manage state-of-the-art models which cannot be practically handled by GPUs, such as:

- Very large models, such as 100+ parameter large language models
- Very large data, such as ultra-high resolution 2D and 3D image data
- Very detailed models, such as RNNs, sparse models, and AI for Science workflows

SambaNova Reconfigurable Dataflow Architecture eliminates the constant data copies and memory management deficiencies inherent to today's core-based architectures, unlocking unmatched efficiency.

Optimized data computation and communications result in high performance at optimal efficiency out-of-the-box across models of all sizes and forms, and for any batch size across training and inference.

The Industry's Most Advanced Software

SambaNova DataScale features SambaFlow, a complete software stack designed to take input from standard machine learning frameworks.

- Fully integrated with popular open source ML frameworks, such as PyTorch.** No code modification is required to run.
- Push-button parallel computation, optimization and execution** enable high performance out-of-the-box without the need for low-level tuning.
- Automated data and model parallel mapping** allows users to map the same programming model as on a single device – no special programming required.
- Secure multitenancy and concurrent multi-graph execution** provides seamless scale-up and scale-out flexibility to manage multiple users and memory resource utilization with no waste.
- The latest productionized algorithms** eliminate months of tuning and configuration to instead let you elevate your focus on what matters most — the application.

The World's First Native Dataflow Processor

SambaNova DataScale is built with the SambaNova Reconfigurable Dataflow Unit™ (RDU), the industry's next-generation processor built from the ground up to provide native Dataflow processing. Features include:

- 100s of MBs of on-chip memory, 100s of TFLOPs of computing power, and direct memory access up to 1 Tb of system memory** enable developing and deploying more sophisticated models with richer context than ever before, faster and easier, and without the extensive parallelization efforts required by GPUs.
- 100s of TFLOPs of compute** delivering unmatched acceleration to drastically reduce time to results.

SambaNova
DATA SHEET

SambaNova is Redefining AI Boundaries

To learn more about how SambaNova Systems DataScale can accelerate and transform your organization with AI, [Schedule a Meeting](#).

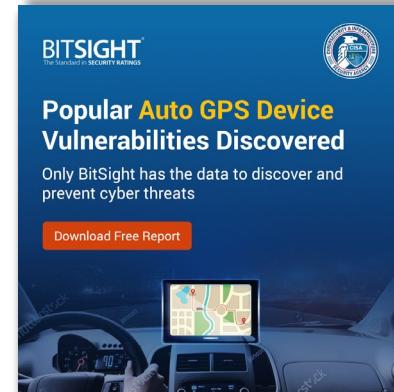
Learn more at SambaNova.ai
[in](#) [linkedin.com/company/sambanova](#)
[tw](#) [@SambaNovaAI](#)
[em](#) [info@sambanova.ai](#)

Customer turn to SambaNova to quickly deploy state-of-the-art AI capabilities to meet the demands of the transformed world. Our purpose-built enterprise-scale AI platform is the technology backbone for the next generation of AI computing. We enable customers to build and run the most complex AI models, including generative AI, with the highest performance and lowest cost. We are revolutionizing AI by breaking the limitations of legacy technology to power the large complex foundation models that enable customers to discover new services and opportunities. SambaNova was founded in 2017 and has raised over \$1 billion in funding to date. SambaNova was founded in 2017 by industry luminaries and hardware and software design experts from Juniper Networks, Intel, Microsoft, Intel Capital, Atlantic Bridge Ventures, Cerebras, and several others.

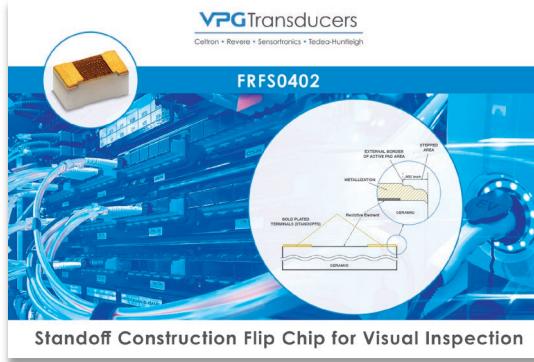
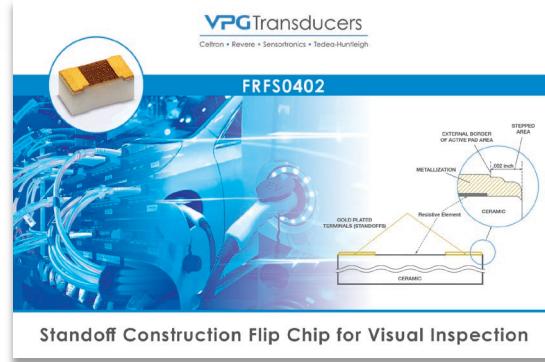
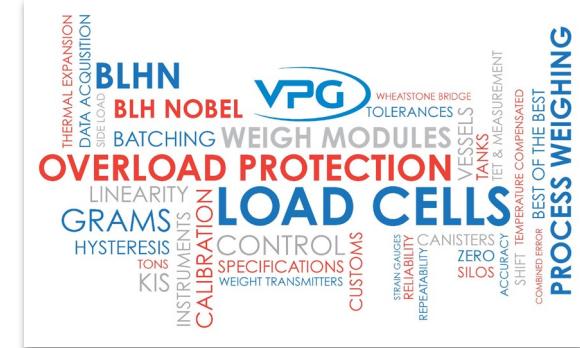
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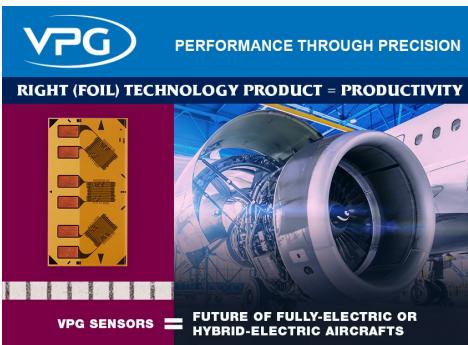
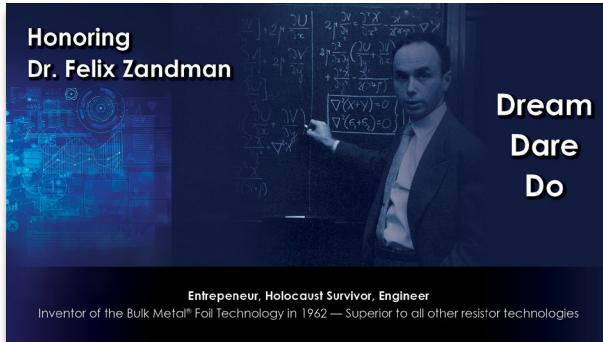
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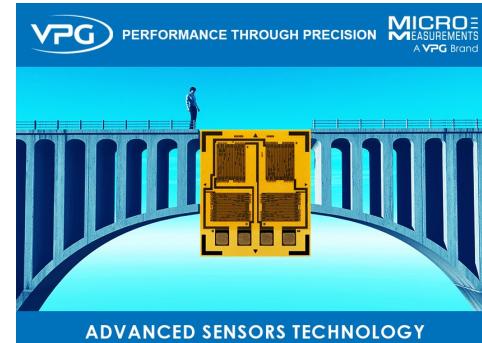
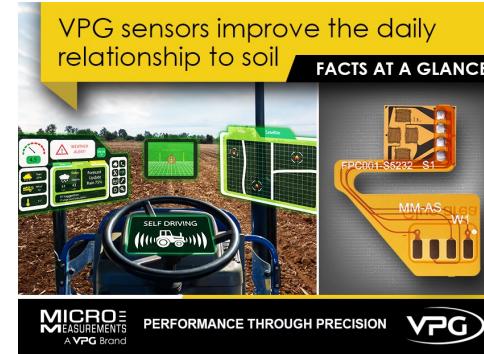
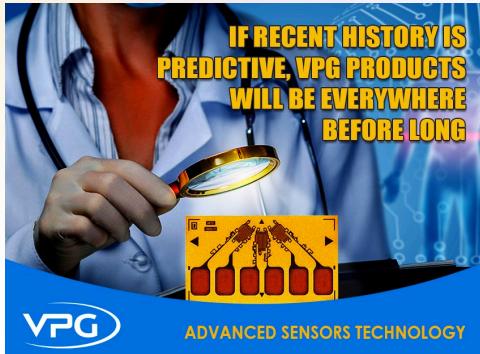
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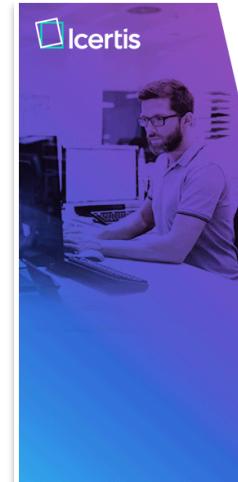
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HD 300 Images



Motion Graphic



Flier

Enact's Homebuyer Privileges® discounts can fill a home – top to bottom!

Homebuyer Privileges is an exclusive Enact Mortgage Insurance program that provides homeowners with unique online discounts for their home from top national and local retailers. Registered users can view the complete list of offers at homebuyerprivileges.com.



Total program savings valued at up to \$8,500 available from retailers like...

1-800 FLOWERS®
Abenity Hotels™
ADT Security®
AMC Theatres®
Avis Car Rental®
Blue Apron™
Brooks Brothers
Budget Rental Cars®
Bush Gardens®
Chill™
Cinemark Theaters®
Costco®
Dell®
Disneyland®
Enterprise Rental Car®
Firestone Complete Auto Care™
FitBit®
Goodyear Tires®
Great Wolf Lodge®
Hewlett Packard®
Home Chef®
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Jos. A. Bank®
Legoland®
Lenovo™
Maggiano's®
McAfee, Inc.™
Nutribullet®
Norton Security™
Office Depot®
On the Border®
Papa John's®
PCDS®
Regal Cinemas®
Sam's Club®
Rollick
San Diego Zoo®
Sea World®
SimpliSafe®
Six Flags®
SunPower®
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TrueCar®
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Walt Disney World®

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Offers and participating companies are subject to change without notice.

Eligibility conditioned only upon customer demonstrating intent to either purchase or refinance a home. Purchase of private mortgage insurance is not required.
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Brian Cauley
Inside Sales Representative
919-644-4506
Brian.Cauley@EnactMI.com

Enact™

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Homebuyer Privileges is an exclusive Enact Mortgage Insurance program that provides homeowners with unique online discounts from top national and local retailers. Your borrowers can take advantage of savings and special offers on things they need most for their home. And, there's no cost to participate.



Borrower Benefits

- + Total program savings of up to \$8,500
- + A shopper-friendly website with online, mobile and printable coupons and discounts
- + Access for 5 years to over 300,000 local and national discounts from merchants like Target®, Costco®, ADT Security®, and PODS**
- + Savings of up to 50% off hotels, air travel, gym memberships, car care and more

Contact your Enact representative or the ActionCenter® at 800-444-5664 with any questions.

*Offers are subject to change at any time without notice.

 See top offers on homebuyerprivileges.com

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Inside Sales Representative
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Brian.Cauley@EnactMI.com



00821.0721

Genworth Mortgage Insurance underwriters include: Genworth Mortgage Insurance Corporation and Genworth Mortgage Insurance Corporation of North Carolina
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Lender Benefits

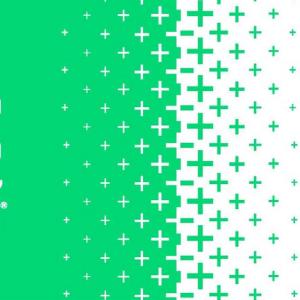
- + Training to best utilize the program
- + Ready to use marketing fliers
- + Program support from our ActionCenter® to assist you and your homebuyers with any questions

Your homebuyers can sign up at homebuyerprivileges.com using the following registration info:

Lender Participation Code: Lender Code
Homebuyer Privileges ID: ID Number

Enact Mortgage Insurance's

HOME Suite HOME®



Buying a home can feel like a never-ending list of expenses. That's why Enact MI is now providing extra protection and support for their investment. Our Home Suite Home® program gives homeowners the choice of a suite of benefits that will help them safeguard their new home.

No cost to you!

 Contact your Enact Sales Representative to sign-up for Home Suite Home today!

Homeowners* can select 1 of 3 benefits:

- + Appliance Home Warranty**
- + Homeowners Insurance Deductible Reimbursement
- + Identity Theft Reimbursement & Restoration Consulting Services

*Applicable on all eligible Certificates after Lender sign-up.

**Appliance Home Warranty currently unavailable in CA, ME, MA, RI, VT, HI, PR, and GU.

Coverage is underwritten or provided by a third-party vendor and is subject to terms, conditions and exclusions set forth in an applicable insurance policy or home warranty and which are not fully stated herein. Home Suite Home may not be available or approved in some states.

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brochure

Finally, Home Suite Home!



HOME Suite HOME®

Enact's exclusive Home Suite Home® program is the perfect fit for eligible homeowners who want that extra safeguard for their investment. By choosing from our suite of benefits that can help defray costs associated with owning a home, homeowners can take comfort in knowing Enact MI helps protect them.

After Loan Close, Homeowners* Can Select 1 of 3 Benefits:

- Appliance Home Warranty**
- Homeowners Insurance Deductible Reimbursement
- Identity Theft Reimbursement & Restoration Consulting Services

Is There a Cost to the Homeowner?
Not Home Suite Home is offered to eligible homeowners, through their Lender's participation in the program, at no additional fee to the homeowner.

*Applicable on Mortgage Insurance applications received on or after a lender's program effective date.
**Appliance Home Warranty currently unavailable in CA, ME, NY, WA.

 Come on in and discover the benefits



Best Value!

Homeowner's Insurance Deductible Reimbursement

- In the event of a homeowners insurance claim at your primary residence, reimburses your deductible up to \$1,000 for a covered loss that exceeds your homeowners insurance deductible.
- Benefit is provided for 60 months (5 years).

Appliance Home Warranty

- Provides for a service provider to repair or replace a Clothes Dryer, Clothes Washer, Built-In Microwave, Dishwasher, Kitchen Refrigerator, and/or Range/Oven/Cooktop.
- Coverage is subject to a service call deductible of \$95, \$500 limit per item.
- Coverage begins thirty (30) days after registration on the Home Suite Home website and continues for 12 months. At time of registration, Borrower also has the option to select coverage to instead begin in 12 months so as to provide coverage during Year 2.

Identity Theft Reimbursement & Restoration Consulting Services

- ID Theft Reimbursement coverage provides reimbursement, up to \$1 million of expenses incurred in order to recover from fraud, embezzlement, theft, forgery, data breach, or a stolen identity.
- Restoration Consulting Service provides an assigned ID Recovery Advocate, an ID Recovery Package, and an ID Restoration Consulting Recovery Plan.
- Benefit is provided for 60 months (5 years).



Visit hsh.smartermi.com to Learn More.

About Enact

At Enact Mortgage Insurance, our business is about getting people in homes and keeping them there. Together with our lender partners, we help make the dream of homeownership a reality for families across the U.S.

Contact Us

If you have additional questions about Enact's Home Suite Home, please contact Enact's ActionCenter® at action.Center@EnactMI.com or 800-444-5664.

Coverage is underwritten or provided by a third-party vendor and is subject to terms, conditions and exclusions set forth in an applicable insurance policy or home warranty and which are not fully stated here. Home Suite Home may not be available or approved in all states.

Datasheet

INSTALLATION AND ELECTRICAL REQUIREMENTS

Electrical power specifications	
• US: 208 VAC, 60 Hz, 3-phase wye configuration circuit with separate neutral and ground conductors; can be installed to EITHER a dedicated 20-amp circuit or dedicated 30-amp circuit. For 20-amp circuit, requires NEMA L21-20R five-wire grounding twist lock outlet; For 30-amp circuit, requires NEMA L21-30R five-wire grounding twist lock outlet.	
• Canada: 208 VAC, 60 Hz, NEMA L21-30 5-wire grounding twist-lock outlet attached to a dedicated 30-amp, 3-phase wye configuration circuit with separate neutral and ground conductors.	
• Europe: 200 VAC, 50 Hz, 3-phase wye configuration circuit with separate neutral and ground conductors; 5-wire grounding twist lock outlet attached to a dedicated 30-amp, 3-phase wye configuration circuit with separate neutral and ground conductors.	
• Japan: 200 VAC, 50/60 Hz, 4-wire grounding neutral and ground conductor attached to a dedicated 30-amp, 3-phase wye configuration circuit with separate neutral and ground conductors.	
Installation space requirements	
In operation, the STERRAD® 100NX System with ALLClear™ Technology should not be placed closer than 2 in (50.8 mm) from the rear wall. The power receptacle should be positioned 12 in to 24 in (30.5 to 61 cm) above the floor. For recessed systems, a clearance of 1 in (25 mm) from the top of the system to the ceiling is required. A minimum clearance of 18 in (457 mm) is required.	
Service space requirements	
Service access requires a minimum clearance of 24 in (610 mm) above the top and approximately 39 in on all sides of the system (can be less if the system can be moved for servicing).	

OPERATIONAL ENVIRONMENT

Temperature	64.4°F–99°F (18°C–35°C)
Humidity	10%–85% RH (noncondensing)

NETWORKING AND DATA RECORDING

System performance data and reports	Cycle history, full 1-second data files, and reports available via ASP ACCESS™ Technology
Network connectivity	Communication protocol for Instrument Tracking Systems (ITS) available via ASP ACCESS™ Technology
Data recording	• Electronic data storage up to 50 cycles • Internal printer for manual recordkeeping • Full electronic cycle data and reports via ASP ACCESS™ Technology

SYSTEM ORDERING INFORMATION

CODE	PRODUCT DESCRIPTION
10104-005	STERRAD® 100NX Sterilization System with ALLClear™ Technology, single-door unit, STANDARD & FLEX
10104-006	STERRAD® 100NX Sterilization System with ALLClear™ Technology, double-door unit, STANDARD & FLEX
10104-007	STERRAD® 100NX Sterilization System with ALLClear™ Technology, single-door unit, STANDARD, FLEX, EXPRESS, and DUO cycles, includes installation
10104-008	STERRAD® 100NX Sterilization System with ALLClear™ Technology, double-door unit, STANDARD, FLEX, EXPRESS, and DUO cycles, includes installation
10144	STERRAD® 100NX System Cassette (2 cassettes/case)
20227	Cassette Disposal Box (10 boxes/case)
10135	STERRAD® 100NX System EXPRESS Cycle Kit
10137	STERRAD® 100NX System DUO Cycle Kit
10305	Thermal Printer Paper (12 rolls/case)
113617-01	STERRAD® Systems Bar Code Scanner Kit



Advanced
Sterilization
Products

Advanced Sterilization Products
33 Technology Drive, Irvine, CA 92618
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Important Information: Prior to use, refer to the complete instructions for use supplied with the device for proper use, indications, contraindications, warnings and precautions.

Capitized product names and ALLClear™ are trademarks of ASP-Stellar Manufacturing GmbH.

THE STERRAD NX® SYSTEM with ALLClear™ Technology

JUST LOAD AND GO



Productive

Reduce workflow
interruptions

Connected

Enhance compliance,
automatically*

Easy

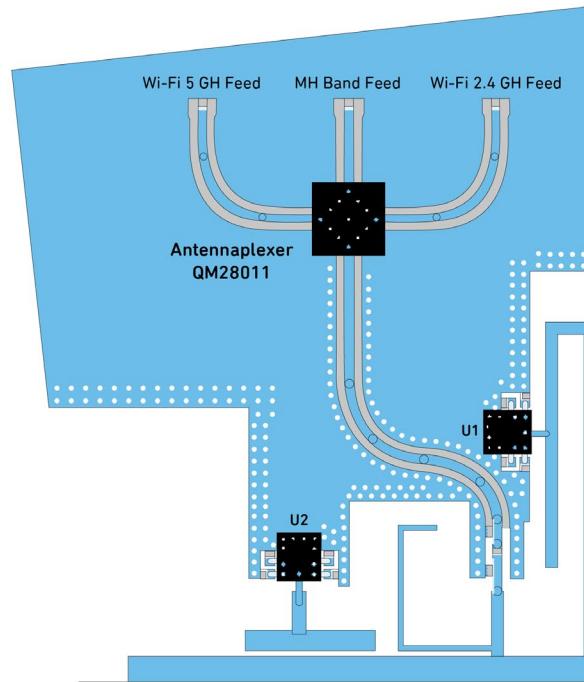
Designed with simplicity
in mind to reduce the
potential for human error

*STERRAD® Systems with ALLClear™ Technology have features that may enhance compliance, including greater adherence to device PUs and improved record handling.

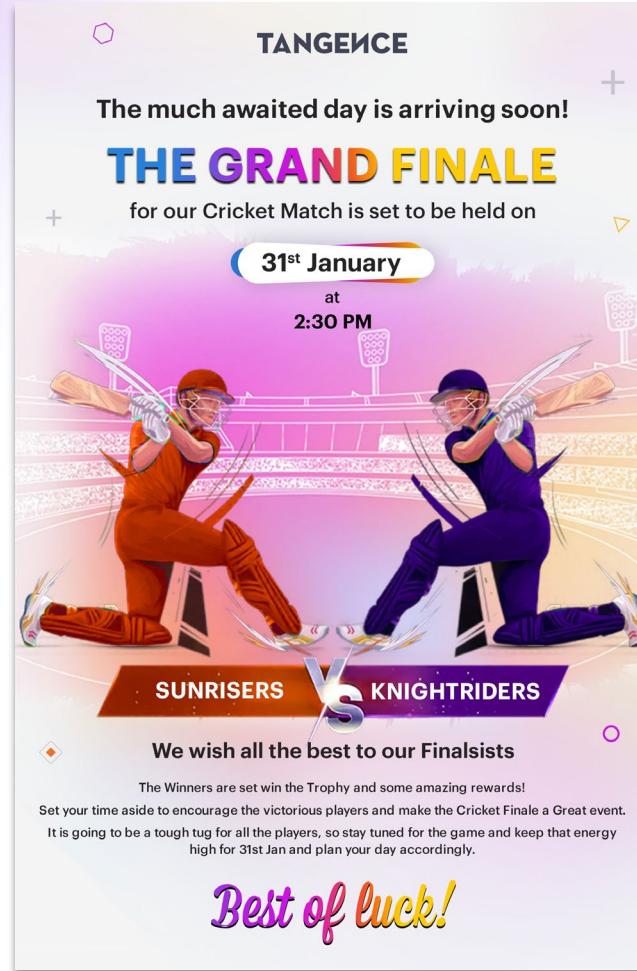
ASP Advanced
Sterilization
Products
33 Technology Drive, Irvine, CA 92618
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Illustrate Graphic



Poster



Graphic

Sample Operational View of Ursa Minor Solution, Connecting the Operator to the Watch Floor

