Atos
Prescriptive Security

The power of Integration, Automation and Orchestration.

Trusted partner for your **Digital Journey**

AtoS

Prescriptive Security

The relentlessly innovative bad guys who plan and carry out cyber attacks are continually reinventing what's possible in an era of swift technological change. To counter, you must also reinvent. You can impulsively react with conventional siloed defenses or you can completely rethink the problem. Harness the proactive powers of Big Data and supercomputing with Atos Prescriptive Security.

We're past the point of statistics

There's no longer any real need to cite numbers about the increasing frequency and devastating impact of cyber attacks around the world. We all know such attacks are growing exponentially amid mushrooming data volumes and increased IT complexity.

And yet, while it's clear what's at stake, our responses to threats are not yet a match for the scale or the velocity of attacks. Sizable and potentially catastrophic gaps continue to appear in cyber security today because defenses are often characterized by:

- Siloed security organizations, each using point products from multiple vendors, and none sharing intelligence
- Lack of visibility—i.e., too much data and not enough intelligence—leading to reactive infrastructure that's too slow to identify threats
- Sophisticated, highly targeted attacks that are automated, stealthy, and specifically designed to penetrate existing controls
- A security labor shortage that can keeps organizations perpetually disadvantaged when using a primarily manual solution
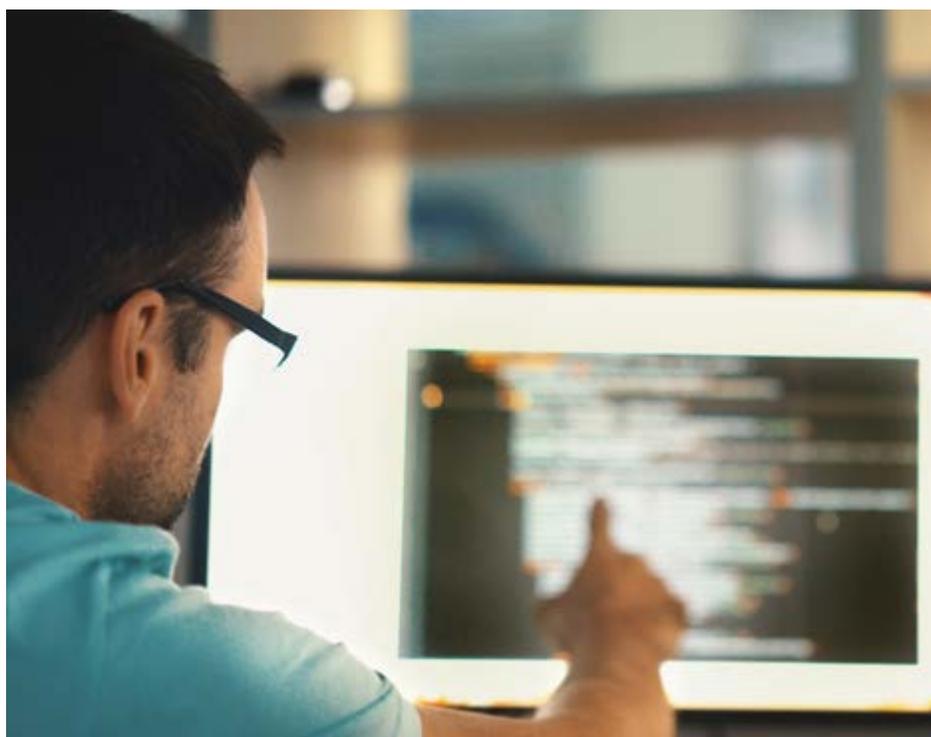
Bridge all the gaps with Atos Prescriptive Security

Clearly, cyber defenses need a rethink. That's why proactive organizations turn to Atos Prescriptive Security. This integrated service is based on the simple truth that automation and raw computational power provide concrete advantages over overwhelmed, isolated teams of security personnel.

To stay ahead of the growing complexity and volume of threats, Atos Prescriptive Security continually learns and orchestrates automated security actions to quickly resolve current threats and anticipate the ones to come, at scale and across global enterprises.

Powered by Atos high-capacity Bullion servers, Atos Prescriptive Security lets you respond "prescriptively," secure more with less, and deliver fixes with velocity.

Prescriptive: Atos combines predictive capabilities with automation powered by supercomputing. While predictive analytics help explain what could happen, prescriptive security makes changes before incidents occur. Behind the scenes and 24 hours a day, the service learns from a wide variety of inputs, such as threat feeds, network activity and endpoint agents. Combined, these inputs trigger near real-time changes to the environment (e.g., at web and email gateways) to avoid breaches.

Do more with less: With powerful automation and immediate reactivity, Atos Prescriptive Security eliminates fragmented and time-consuming manual security responses, freeing you to allocate security resources more effectively and efficiently. Atos systems react in near real-time and enable endpoints and gateways to adapt almost instantaneously, all around the globe.

Greater velocity: By continuously learning from emerging threat behaviors, Atos Prescriptive Security can respond across your global network with velocity. This lets you reduce the average time to detect, contain and resolve cyber threats by nearly 3.5 times compared with conventional approaches, as shown in the chart below.

Detect, Contain and Resolve:

Legacy vs. Atos Integrated System Performance

Legacy System		Atos Integrated System
24 hours	Time to respond	6:50 minutes
4.2 hours	Time to protect	1:08 minutes
6 IOC / day	Capacity	210 IOC / day
6 products	Consoles	2 products
19	Manual Steps	3
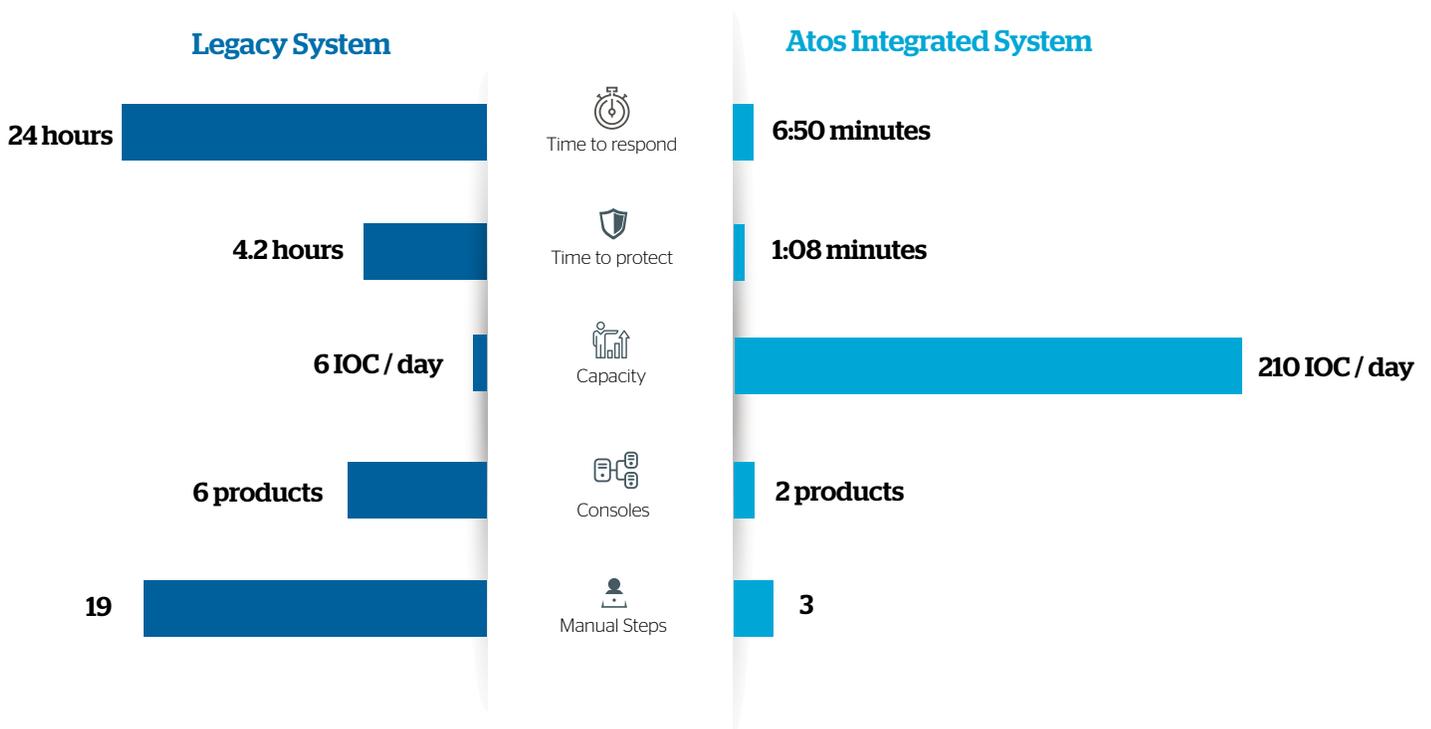
Flexible & Interoperable
Platform

Aligning seven key capabilities

Atos Prescriptive Security is a flexible and interoperable platform that brings together seven key capabilities to address the range of challenges facing today's organizations.

Cyber risk management

With Atos, you define the right policies, processes and information to balance cost against the very real risk of quantifiable business damage.

Cyber security advisory

IT security product and service options are numerous, making it a challenge for businesses to remain current and make informed decisions. What's more, companies typically don't have the time or resources required to perform the due diligence that security products require. To meet this challenge, Atos offers a full spectrum of evaluation and design services that help create an integrated architecture covering both IT and OT (including SCADA).

Cyber operations

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Cyber operations

For tailor-made and on-premise cyber security operations that must adhere to your local regulations, Atos delivers the required infrastructure and, if needed, will operate your cyber security on-site. All across the world today, Atos offers managed security services to some of the best-known companies.

Secure cooperation

When you're working with partners and suppliers, the Atos smart card and biometric portfolio enables secure cooperation. Atos also implements various cryptographic solutions—including HSMs and VPNs certified to Common Criteria EAL4+ and FIPS140-2 Level 3—and delivers public key infrastructure projects.

Digital Identity and access control

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Cyber Intelligence

When you experience a breach, you need forensics to determine exactly what happened on your network. Atos delivers this critical component of cyber security with a strong feedback loop, combined with threat intelligence from McAfee and other global security partners.
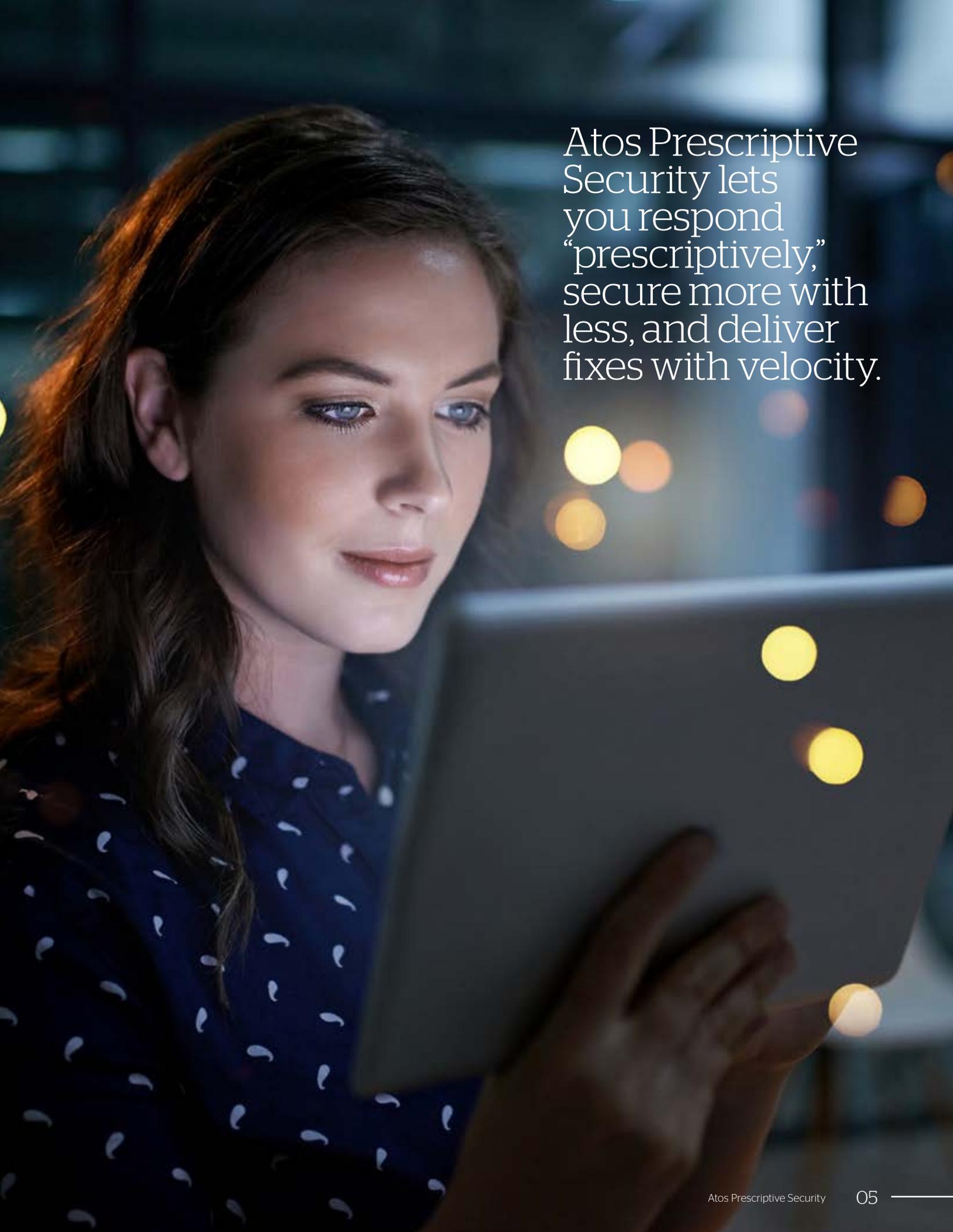
Cyber Risk Management | Cyber Security Advisory | Cyber Operations | Secure Cooperation | Digital Identity and Access Control | Cyber Intelligence

Threat → Trust

Atos Prescriptive
Security lets
you respond
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less, and deliver
fixes with velocity.

The backbone: advance threat defense

Atos Prescriptive Security integrates a variety of industry-leading security technologies for improved cloud-ready controls, including security information and event management (SIEM), which:

- Consolidates threat sources and responses to help eliminate security silos
- Progressively learns new behaviors to help eradicate threats before they occur
- Shares the latest threat intelligence across the global enterprise

Speed, scale and cost: the core differentiators

Your cyber security will achieve new levels of power and performance with Atos Prescriptive Security, thanks to a unique set of features and capabilities.

High-performance computing
The Atos mainframe-grade computing platform that drives our Prescriptive Security solution has been independently tested and proven as one of the most powerful on the market today. The platform delivers:

- Unique memory capacity (up to 24 TB) that offers unrivaled capabilities for in-memory computing, event processing and analytics
- Remarkable computing power that lets you make sense of and take action on vast quantities of data, perform complex analytics, and automate workflows
- Complex correlation rules and resulting actions that can be executed with velocity

Managed service, cloud-hosted or both
Because no two enterprises are alike, Atos Prescriptive Security has the built-in flexibility to meet any IT requirements. This means you can operate onsite, host in the cloud, or create a hybrid solution that offers the benefits of both worlds. And you can easily configure a cloud-based implementation to meet variable requirements, scaling up or down as necessary.

Multi-vendor interoperability
In addition to integrated McAfee functionality, Atos Prescriptive Security has an open framework that can support multi-vendor environments with a common architecture/solution. Vital security information is shared across a common bus, enabling learning and real-time reactivity.

Lower total operating cost
Superior performance, reliability and an only-what-you-need consumption model (when cloud-hosted) make Atos Prescriptive Security a complete and budget-friendly cyber security solution that delivers a superior price/performance ratio.

Big Data meets cyber security
Only Atos Prescriptive Security lets you leverage the scope and reach of Big Data through a centrally managed platform that incorporates third-party security and compliance investments into a single pervasive ecosystem.

Threat resolutions shared instantly and globally

With Atos, you share the latest threat intelligence across your enterprise instantly. This means you respond to new threats more proactively and consistently—even when threats are identified on different systems in different parts of the world.

Central management + Big Data profiling + self-learning automation

With the growing number of devices connected to networks, mounting data volumes and the increasing complexity of cyber attacks, you need a big-picture approach to cyber security, with new thinking and newly integrated technologies. By prescribing action in machine time, Atos Prescriptive Security is nothing short of a transformative service. It gives you a deeper and more proactive way to deliver trusted and consistent service, ensure compliance and mitigate risk.

Today's cyber criminals constantly adapt and reinvent. Shouldn't you?

About Atos

Atos SE (Societas Europaea) is a leader in digital services with pro forma annual revenue of circa € 12 billion and circa 100,000 employees in 72 countries. Serving a global client base, the Group provides Consulting & Systems Integration services, Managed Services & BPO, Cloud operations, Big Data & Cyber-security solutions, as well as transactional services through Worldline, the European leader in the payments and transactional services industry. With its deep technology expertise and industry knowledge, the Group works with clients across different business sectors: Defense, Financial Services, Health, Manufacturing, Media, Utilities, Public sector, Retail, Telecommunications, and Transportation.

Atos is focused on business technology that powers progress and helps organizations to create their firm of the future. The Group is the Worldwide Information Technology Partner for the Olympic & Paralympic Games and is listed on the Euronext Paris market. Atos operates under the brands Atos, Atos Consulting, Atos Worldgrid, Bull, Canopy, Unify and Worldline.

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Let's start a discussion together