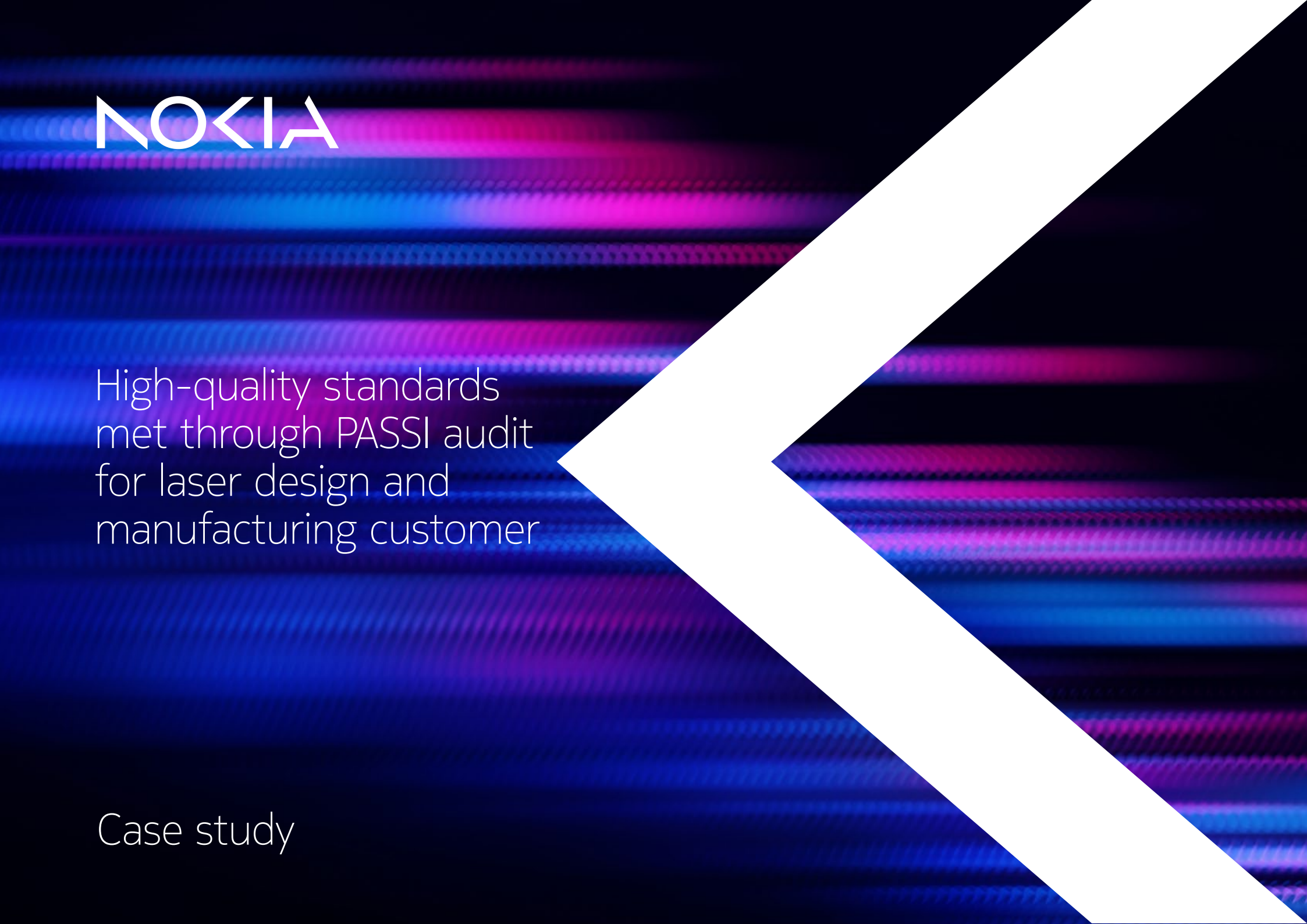


The background of the slide features a dark blue field with horizontal, blurred streaks of magenta and blue light. A large, white, stylized 'X' shape is positioned on the right side, extending from the top right corner towards the center. The Nokia logo is in the top left corner.

NOKIA

High-quality standards
met through PASSI audit
for laser design and
manufacturing customer

Case study

The customer is a laser design and manufacturing house founded to bring disruptive innovations to the market of visible lasers.

Advanced continuous-wave laser modules are developed targeting numerous applications in bio-photonics, metrology, spectroscopy, and other analytics and instrumentation applications, for both research and industry customers.

Using ANSSI standards and an established security framework proven for telco operators, Nokia Consulting PASSI Services identified key security gaps, risks, and vulnerabilities for this customer. We provided recommendations on how the customer can evolve their network security posture to meet high-quality standards.

PASSI Business benefits



Complete visibility into IT and telecommunication security controls



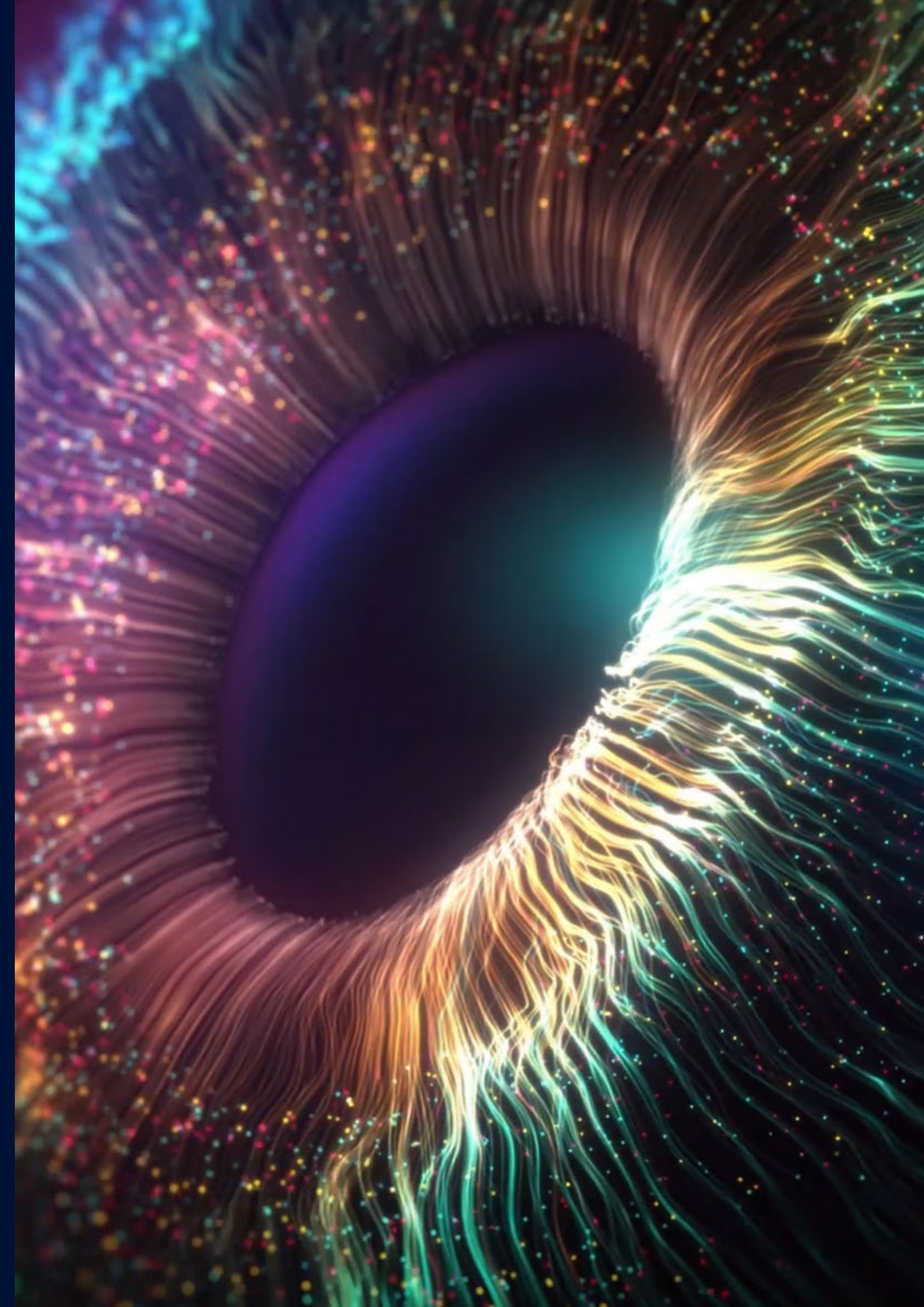
In-depth analysis of key security gaps and vulnerabilities



Provide telecom security requirements in addition to ANSSI standards



Comprehensive action plan for security improvements



Customer challenge

As the customer continues to grow and offer new services and products to enterprise customers, they want to provide the most secure and reliable experience possible.

To successfully acquire new business in its target markets, the customer needed to achieve a PASSI audit according to the ANSSI cybersecurity standards. Like many other organizations, our customer didn't have the in-house resources or expertise to properly assess whether it could meet the ANSSI requirements. Or know what improvements would have to be made to its security posture to get there.

Our customer required a comprehensive PASSI audit to help guide its decisions, as it looked to improve the security readiness of its planned network expansion.

What is the role of ANSSI?

The French National Cybersecurity Agency's (ANSSI) role is to foster a coordinated, ambitious, and proactive response to cybersecurity in France. ANSSI created the PASSI qualification which is a security visa that provides a competitive advantage for security suppliers and attests to their competence to comply with regulatory standards.



How Nokia helped

Drawing on the unique combination of IT cybersecurity and telecommunication expertise, Nokia Security Consulting PASSI Services conducted a comprehensive, end-to-end assessment of the security posture and readiness of our customer's existing network and its planned expansion.

Using ANSSI's cybersecurity standards as a guide, Nokia started with document reviews and interviews with key customer team members to better understand their current security profile, including its business drivers and compliance mandates. Nokia then performed a thorough gap analysis to identify areas where the customer's information system could be vulnerable to threats.

Potential security gaps were classified into nine main categories covering critical security control domains such as:

- Risk management
- Awareness and training
- Privileged access management and role-based access control
- Devices security management
- Administration security management
- General security concepts (e.g., firewalls, zero-trust communications)
- Mobile working management
- Information security system update management
- Supervising, audit, and reaction management

Nokia identified security gaps and provided in-depth action plans and roadmaps to address each one.

Instead of looking at each gap and vulnerability in isolation, Nokia's security experts viewed how they interconnect and affect each other — and the broader implications across all aspects of the customer's infrastructure. Consider this analogy, rather than just plastering over a series of holes in a wall, Nokia looks to see if those holes contributed to underlying structural damage that would require the entire wall to be rebuilt. A comprehensive analysis allows Nokia to propose more holistic solutions to meet its customers' security requirements.

Cybersecurity Consulting

Holistic security advisories for critical networks

[Discover more](#)

Building better outcomes

After the PASSI audit was conducted on its information system, the customer was able to get clear visibility into:

- Its current maturity level across critical security control domains (required by ANSSI and what that means for its customers)
- Quantified targets for improvement to better protect its information system
- The required improvement path to get from where it is today to its desired future state

With Nokia's action plans and roadmaps in hand, the customer can effectively address the security gaps while minimizing any disruptions to their network operations or the quality of service their customers receive.

The quantified and qualified inputs allow the customer to bring a best-in-class security framework to its information system — in line with its risk appetite and strategic business objectives. By taking this approach, the customer can provide robust security guarantees to their customers while strengthening the existing trust and venturing into new markets.

Unlike other consultants who stop at assessments, our team of experts goes further. As an industry-leading network vendor, Nokia collaborates closely with the customer to implement essential solutions to improve their overall security posture.



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About Nokia

At Nokia, we create technology that helps the world act together.

As a B2B technology innovation leader, we are pioneering networks that sense, think and act by leveraging our work across mobile, fixed and cloud networks. In addition, we create value with intellectual property and long-term research, led by the award-winning Nokia Bell Labs.

Service providers, enterprises and partners worldwide trust Nokia to deliver secure, reliable and sustainable networks today – and work with us to create the digital services and applications of the future.

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