Security assessment for a global renewable energy leader

Envision Energy

kaspersky cybersecurity true to business

ENVISION

2007
year of establishment

20+
R&D and operation centers

60+
manufacturing bases worldwide

About the company

Envision Energy is a world-leading green technology company headquartered in China, delivering renewable energy system solutions for enterprises, governments, and institutions worldwide. The company operates across three core business areas — smart wind turbines, energy storage and green hydrogen solutions — helping accelerate the global energy transition through integrated and intelligent energy ecosystems.

In today's rapidly evolving digital landscape, proactive investment in cybersecurity is a strategic driver of operational resilience and long-term business trust. Recognizing this, Envision Energy partnered with Kaspersky to transform its security posture through a penetration testing engagement.

Challenge

Envision Energy sought not just a vulnerability assessment, but a realistic evaluation of how sophisticated adversaries could attempt to breach security controls, move through the environment, and target critical systems and business services.

As a global technology and energy innovator, Envision Energy places strong emphasis on operational resilience, reliability, and trust. With rapidly evolving cyberthreats targeting critical industries and global supply chains, maintaining a strong security posture requires continuous validation of existing defenses and proactive assessment of potential risks.

To gain an independent view of its cybersecurity readiness, Envision Energy engaged Kaspersky to assess the resilience of its infrastructure, validate the effectiveness of implemented security controls, and identify opportunities to further strengthen protection across critical systems and business services.

Kaspersky was selected for its penetration testing methodology, which goes beyond automated scanning by demonstrating realistic attacker paths using real-world tactics, techniques, and procedures (TTPs) in a controlled environment. It was also selected for its team of proven security experts with deep experience in complex enterprise infrastructures and critical industries.

Kaspersky Penetration Testing

The Kasperksy Penetration Testing service involves proactive identification and exploration of attack vectors targeting your critical assets. By simulating real-world attacker behavior and applying relevant tactics, techniques, and procedures (TTPs), our team demonstrates the potential impact on key business processes — no matter the complexity of your infrastructure — all within a controlled and secure environment.

Collaboration

The Kaspersky Security Assessment team conducted a penetration testing engagement covering the external attack surface with an attack development stage. The assessment was designed to evaluate the real-world effectiveness of existing external security controls and provide Envision Energy with a clear understanding of its current security posture under realistic external attack conditions.

Using real-world attacker tactics, techniques, and procedures (TTPs), Kaspersky simulated advanced attacks to assess resilience, identify potential attack paths, and provide actionable recommendations to further strengthen the company's cybersecurity defenses.

Outcome

Following the engagement, Kaspersky delivered a comprehensive assessment detailing the overall security posture of the tested environments, the effectiveness of existing defensive controls, and prioritized recommendations for further security enhancement.

Eventually, the engagement provided independent validation and practical insights that directly contributed to the ongoing hardening of its critical systems and business operations. This initiative demonstrates how strategic investments in cybersecurity transform security testing from a point-in-time audit into an ongoing engine for innovation and business resilience.

By prioritizing collaboration over compliance and viewing security as a continuous investment, the joint effort of Envision Energy and Kaspersky ensures sustained resilience against realistic attack paths in a constantly evolving threat landscape.

Cybersecurity resilience requires continuous validation, especially in a global technology environment as dynamic as ours. The engagement with Kaspersky gave us an independent assessment of our security posture and valuable practical insight into how we can further strengthen the protection of critical systems and business operations.

Daniel Lei

Chief engineer of security attack and defense, Envision Energy

Our objective was not simply to test systems, but to help the customer understand how effectively their existing security controls perform under realistic attack conditions. Close collaboration with Envision Energy's teams allowed us to deliver practical, actionable results focused on long-term resilience and continuous improvement.

Wayne Wei

Key account manager, Kaspersky

Kaspersky Penetration Testing

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www.kaspersky.com

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