



Kaspersky conducts industrial cybersecurity assessment for PacificLight

kaspersky



**Kaspersky
Industrial
CyberSecurity**



Power generator and electricity retailer

- Operating since 2014
- Highly efficient power plant using Liquefied Natural Gas
- Generates approximately 10% of Singapore's total annual electricity requirements

PacificLight Power Pte Ltd is an electricity power generator and retailer committed to helping customers manage their energy needs simply and effectively.

The power plant operates 24 hours a day, 365 days a year and is capable of powering over 1,000,000 Singapore households. Fuelled by Liquefied Natural Gas (LNG), PacificLight's power plant is one of the most efficient and modern power plants in Singapore. It delivers reliable and sustainable electricity that meets stringent environmental emission standards.

Since 2014, its 800MW state-of-the-art Combined Cycle Gas Turbine (CCGT) power plant has been successfully registered as a Clean Development Mechanism (CDM) project under the United Nations Framework Convention on Climate Change. PacificLight is the only power plant in Singapore to be registered under the CDM mechanism.

PacificLight ensures that sustainability is incorporated in all aspects of its business, from the adoption of innovative technologies and practices to process improvements in daily business operations. Through implementing the best energy efficiency practices and minimising their carbon footprint, being clean and green in its daily operations is very much a way of life.

Challenge

To keep abreast of the everchanging demands of cybersecurity in a volatile landscape, PacificLight was one of the first to adopt and implement the Cybersecurity Act, established in Singapore in 2018. This Cybersecurity Act provides a legal framework for the maintenance of national cybersecurity in Singapore and protection of organizations against cyber-attacks.

The first key activity PacificLight embarked upon was to conduct a Vulnerability Assessment of their industrial networks to identify any weaknesses and areas for security enhancement.

"In a climate of increasing cybersecurity threats, PacificLight is committed to adopting the best-in-class practices for data security when developing its systems. The implementation of secure and robust IT systems means that PacificLight has an advanced cyber security rating within the energy sector", - says Stephen Lo, Deputy General Manager (Infocomm Technology), PacificLight.



Non-intrusive solution

Kaspersky Industrial CyberSecurity Assessment does not affect the operational continuity or consistency of the industrial processes.



Deep expertise

Real-live experience with a wide range of industries and OT equipment allows Kaspersky experts effectively provide industrial cybersecurity services.



Full support

Kaspersky Industrial CyberSecurity brings value on any stage of the customer's OT security process – from training and assessment to incident response

Solution

PacificLight choose to undertake a Kaspersky's Vulnerability Assessment, which provides a minimally invasive remote and on-premise cybersecurity assessment. Kaspersky's Vulnerability Assessment is a non-intrusive approach, which helps to identify and rank cybersecurity vulnerabilities. In addition to this, Kaspersky experts provide actionable recommendations on how to strengthen the organization's industrial network protection.

Through the Vulnerability Assessment of PacificLight's industrial networks, Kaspersky experts examined the infrastructure's most critical segments and also emulated specific attack vectors, identifying possible vulnerabilities and scanning for malicious activity and anomalies.

As a result of Kaspersky's Vulnerability Assessment, the following objectives were fulfilled:

- Identification of potential security flaws in the IT and ICS infrastructure;
- Assessment of the degree and severity of vulnerabilities', as well as their possible impact;
- Provide recommendations to address the detected vulnerabilities.

“By undertaking the exercise and learning from the Kaspersky team’s knowledge, we have increased our protection against cyber security threats.”

Yu Tat Ming,
CEO, PacificLight.

Results

PacificLight is satisfied with the results of the industrial cybersecurity assessment. Not only has this project brought about an actionable plan for cybersecurity improvement, it has also endowed PacificLight with a deeper understanding of the nature of cybersecurity risks.

“The assessment undertaken by Kaspersky gives us greater assurance that we are upholding internationally-recognized standards of cybersecurity and excellence. By undertaking the exercise and learning from the Kaspersky team’s knowledge, we have increased our protection against cyber security threats”, - says Yu Tat Ming, CEO, PacificLight.



**Kaspersky
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Kaspersky Industrial CyberSecurity is a portfolio of technologies and services designed to secure operational technology layers and elements of your organization - including SCADA servers, HMIs, engineering workstations, PLCs, network connections and even engineers - without impacting on operational continuity and the consistency of industrial process.

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* World Leading Internet Scientific and Technological Achievement Award at the 3rd World Internet Conference

** China International Industry Fair (CIIF) 2016 special prize