

## Success Story

### Industrial Cyber Security: Honeywell Helps Canadian Power Company Design Secure Network for Industrial Environment



#### Challenge

A Canadian power company needed to bridge two control systems with their business network. Although they were aware of the additional security risks, the Corporate IT group at the power company did not have experience in the following areas:

- industrial control systems
- networks in a control system environment

The company required an expert consulting firm to address their security and integration issues.

#### Solution

The power company contracted the Honeywell Process Solutions Industrial Cyber Security team to assist with designing a secure infrastructure that would integrate the process control and business networks.

#### Advantage

The power company benefited from the core strengths of the Industrial Cyber Security team:

- 10+ years' experience providing industrial strength security solutions
- 50+ projects combining IT best practices and complex process control environments
- Experience with over 60 control systems

Honeywell's understanding of network security best practices in an industrial control systems environment positioned them to offer expert guidance for the power company as they addressed their integration issues.

#### Integrating Industrial Control Systems and Business Networks

A Canadian power company was embarking on an environmental monitoring project at a coal-fired generation facility that involved the bridging of two control systems with their business network. They were concerned with the additional security risks associated with this connection—the business network had the potential to negatively impact the control system environment.

However, while they were aware of the risks, the Corporate IT group at the power company was not experienced with industrial control systems or the practice of working with networks in a control system environment. The company required an expert consulting firm to address their security and integration issues.

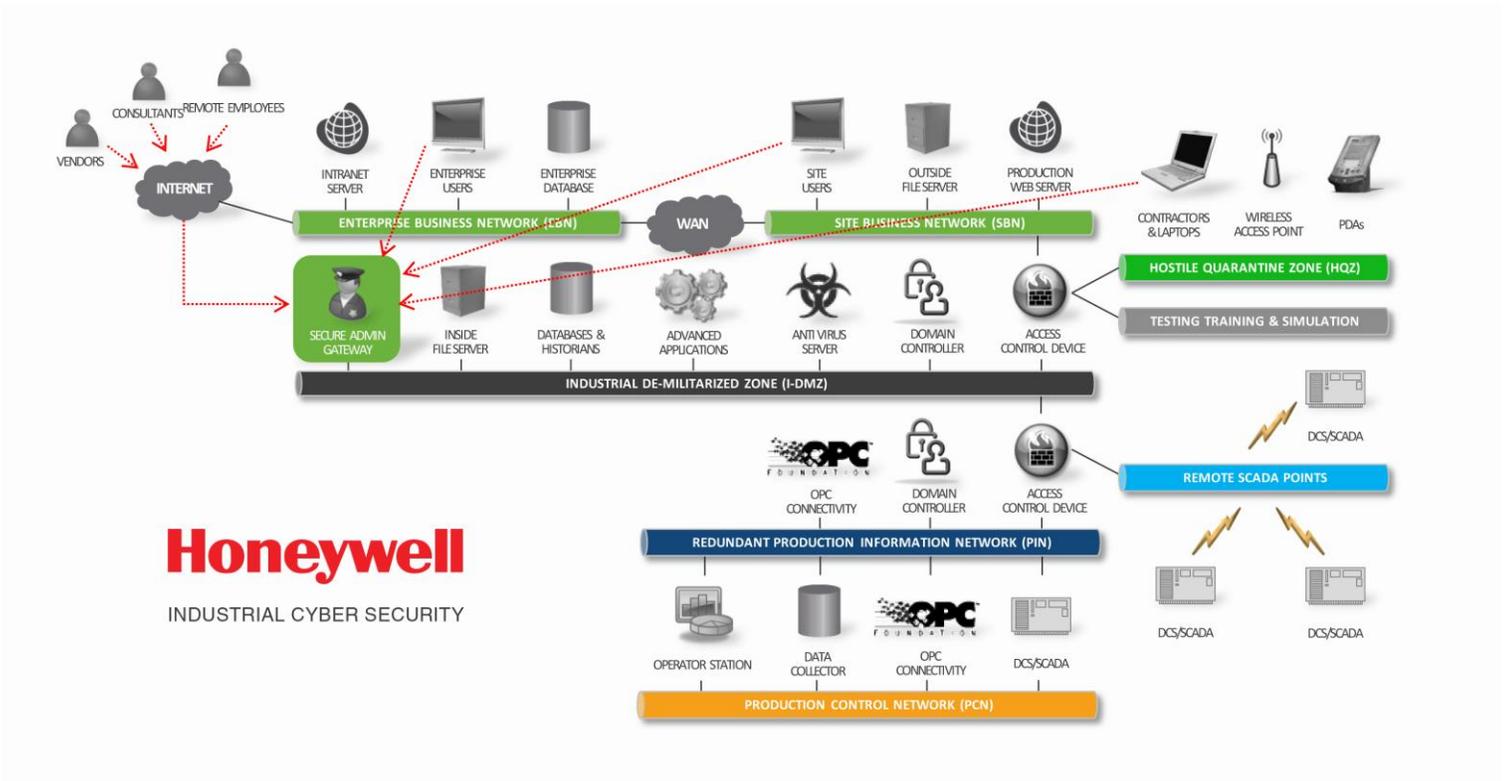
#### Honeywell's Defense-in-Depth Network Design Strategy

The power company contracted the Honeywell Process Solutions Industrial Cyber Security group to assist them with designing a secure integration of the process control and business networks.

With their experience in cyber security, industrial control systems and complex process environments, Honeywell advised the power company to design a multi-layered defense-in-depth network. The principle behind this design methodology is the segregation of all process equipment from the Business LAN, creating a network that is dedicated to process equipment, while allowing the movement of data that is necessary for business decision-making.

With Honeywell's advice, the power company efficiently designed and implemented a network based on this strategy. The new network mitigated security risks, while allowing the flow of critical environmental and production data between networks.

**Multi-Layered Defense-in-Depth Network**



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**For more information:**

For more information about Industrial Cyber Security, visit our website [www.honeywell.com/ps](http://www.honeywell.com/ps) or contact your Honeywell account manager. [www.matrikon.com](http://www.matrikon.com) [security@matrikon.com](mailto:security@matrikon.com)

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