



DISTRIBUTION
UTILITY MEET
DUM 2020

DIGITAL

Achieving Stronger Power Distribution Resilience with Digitization

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Life Is On

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A nighttime photograph of a city skyline reflected in a body of water. The central focus is a tall, modern skyscraper with a grid-like facade, illuminated with blue and white lights. Other buildings of varying heights and styles are visible in the background, some with warm interior lights glowing. The water in the foreground is dark, with clear reflections of the city lights and buildings.

2 Big Topics for DisCom business continuity

1. Reliability & Resilience

2. Cybersecurity



Digital technologies strengthen the grid.

For withstanding stress
and recovering from failure.

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99.99% grid reliability is a must for tomorrow.

Digital is the answer – with OT rules.

Non-negotiable:

Reference architectures.

Time-tested and validated globally, not bespoke.

On-premise monitoring & control.

Analytics in the cloud.

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Defend against threats with the right digital technology.

Prepare for the inevitable.

Avoid costly impacts from:

Extreme weather.

Grid stress.

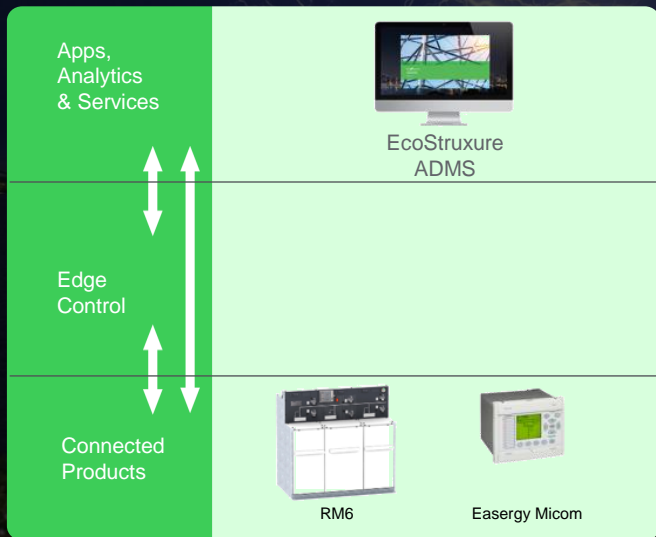
Malicious actors.

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South Australia Power Networks

EcoStruxure™ for Power & Grid
Innovation At Every Level



South Australia's sole electricity distributor
providing power to **1.7 million** people

Solution enabling grid awareness, optimal load management, and efficient incident resolution leveraging all data sources and mobility.

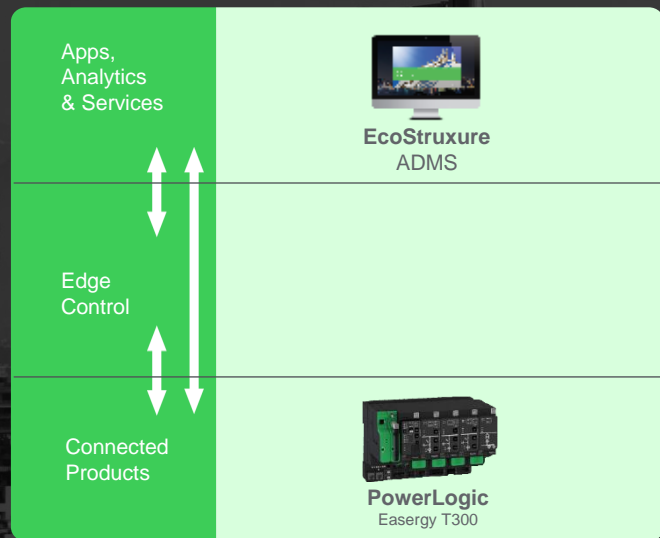
As a result, SA Power Networks
can restore power to the
majority of customers on a
feeder in under a minute

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Unareti
Milan, Italy

EcoStruxure™ for Power & Grid
Innovation At Every Level



10% reduction in SAIDI +
renewable energy integration

Enabling **grid awareness**,
optimized operations, and efficient
incident resolution

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A nighttime photograph of a city skyline reflected in a body of water. The central focus is a tall, modern skyscraper with a grid-like facade, illuminated with blue and white lights. Other buildings of varying heights and architectural styles are visible in the background, also lit up. The lights from the buildings and streetlights are reflected in the calm water in the foreground.

2 Big Topics for DisCom business continuity

1. Reliability & Resilience

2. Cybersecurity

Cybersecurity is a top priority for DisComs.

46%

of Utilities are moderately or poorly prepared to restore normal network operations (*)

56%

of utilities report at least one attack involving a loss of private information or an outage in the OT environment in the past 12 months

70%

of employees don't understand cybersecurity

Every 14 sec

a ransomware attack occurs

Only 2%

of IT budget is used for security

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Cybersecurity requirements are clear.



Permit

Manage access to operations systems and information through network and physical controls.



Protect

Implement specific controls as part of the operations systems for ongoing protection.



Detect

Monitor the operating environment to detect and communicate threats.



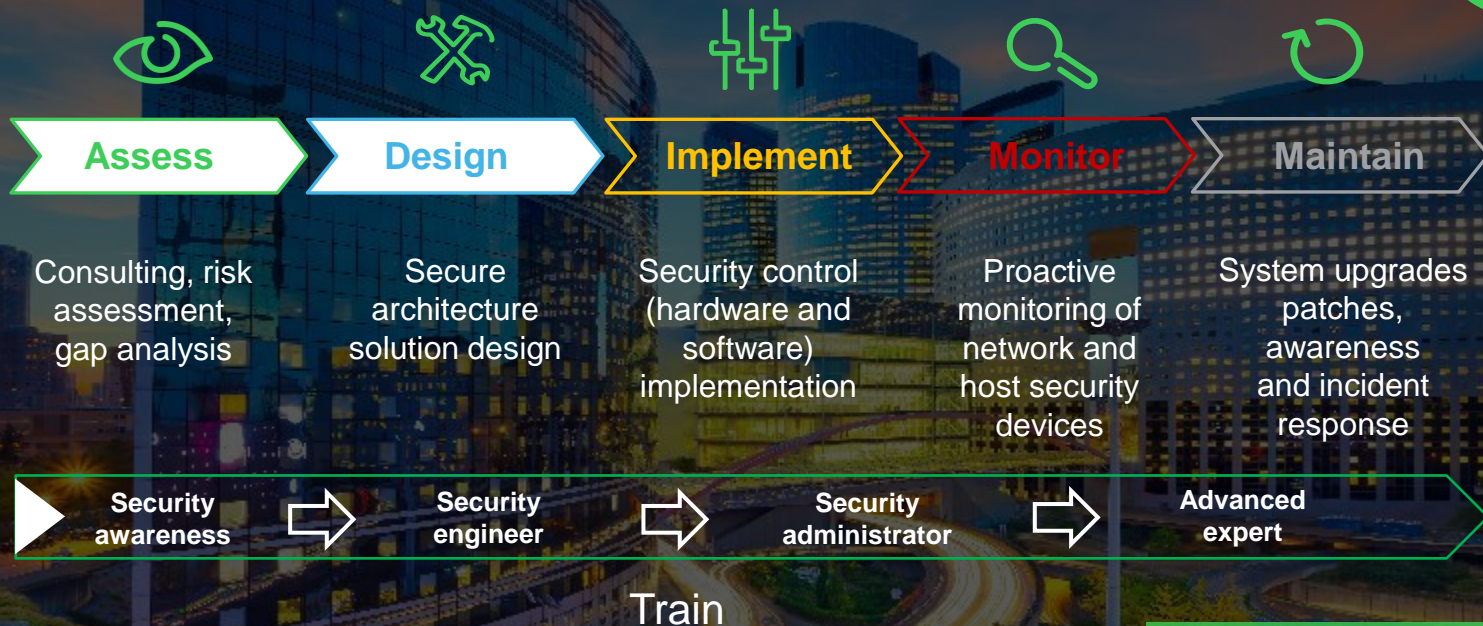
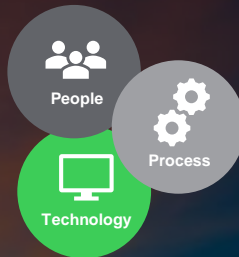
Respond

Develop procedures and systems to support rapid response to cyber incidents to contain and mitigate attacks.

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Deploy better cybersecurity in a stepwise way.



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Digital technologies for systemic resilience and sustainability are ready today.

**You can make progress now.
Smart, green, and digital.**

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