

Safety and security of critical energy infrastructures

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Romanian Energy Center Association

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The Israeli Electric Corporation (IEC)

The dominant and critical provider of the national electricity system

An energy island

Extreme changes in grid requirements



Responsibility across all elements of the electricity system: generation, transmission, distribution, and supply

Challenging geopolitical conditions

One of the most cyber attacked companies in the world

Israel is ranked 8th in the world on Country's Performance in Providing Reliable Access to Affordable Energy



New Challenges for Power Utilities' CISOs

Digitalization

Decentralization

Decarbonization



System

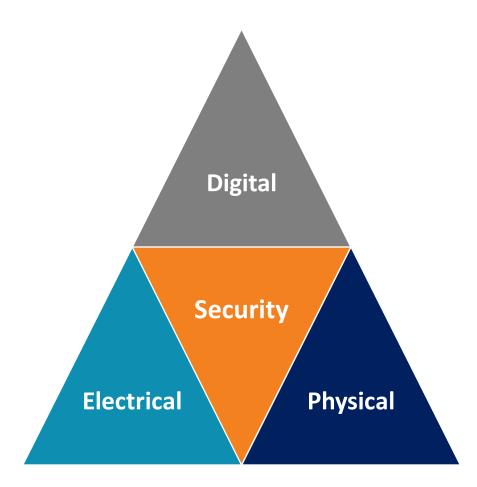
Proactive

Dynamic



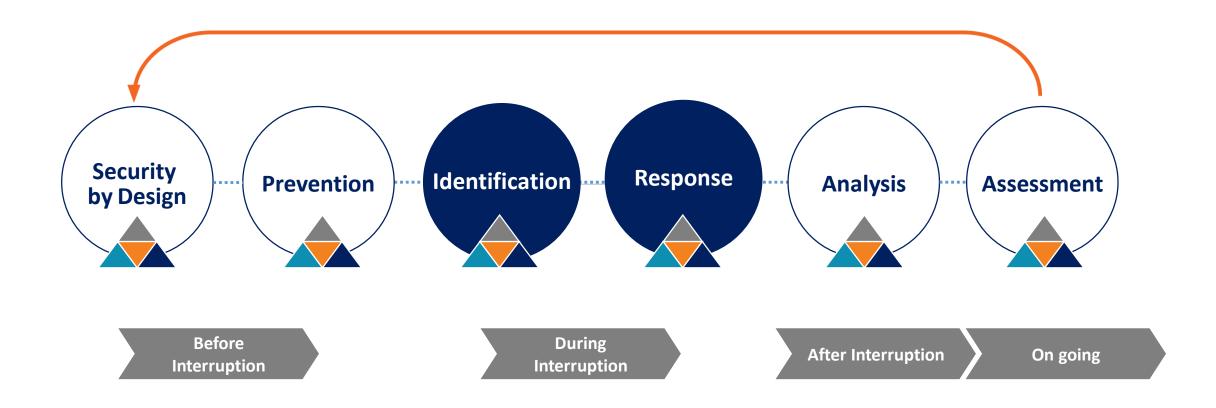
IEC's 360° Electricity System Security Concept

Energy security: The capacity to avoid adverse impact of energy disruptions caused either by natural, accidental or intentional events affecting energy and utility supply and distribution systems (US DoD).



Security Lifecycle Architecture

Providing reliable and sufficient electricity, before, during and after power interruptions



A comprehensive approach that addresses the electrical, cyber, and physical threats

360^o Energy Security Benefits

Component

Reactive

Static

A comprehensive approach that addresses the electrical, cyber, and physical threats, and their interconnected vulnerabilities

System

Proactive

Dynamic

Business Supporting Operation





Thank you

