

Powering the Future of Electricity

As a leading utility company, we leverage a century of experience in electricity generation, transmission and distribution, to deliver comprehensive solutions and services for the global electricity industry

Infrastructure

Generation
Transmission
Distribution

Utility of
the Future

The Israel Electric Corporation

Serving residential, commercial, agricultural, and industrial customers throughout the state of Israel, IEC is an essential service provider ensuring the supply of available, reliable, and high-quality electricity while maintaining world-leading service standards. IEC is 99.85% owned by the state of Israel, which is committed to the GHG reduction and in line with Paris Climate Agreement.



Vertically Integrated Operations

Serving nearly 3 million customers, IEC designs, builds, maintains, and operates the Israeli electricity system including generation, transmission, distribution and supply.



Digitalization and Grid Transformation

IEC has prioritized grid digitalization as a top goal, incorporating sophisticated management systems, control systems, data processing, optimization of switching stations, substations, transmission networks, distribution networks and more.



Global Energy Projects

Engaged in global renewable and conventional energy projects, IEC supports all project phases, from inception and design to retro-fitting existing systems, efficient and reliable design of different grid components, energy efficiency projects, cyber security operations, personnel training and more.

International Business Offering

We offer a range of services by leveraging our internal knowledge and proprietary technologies including innovative third-party solutions. As trusted advisors, we collaborate with organisations to provide tailored solutions that meet specific needs.



Trusted Advisor

A trusted advisor with a thorough understanding of the stakeholders' needs and challenges



System Integrator

We bring diverse technologies together, integrate and collaborate with third-party providers and ensure access and implementation to the latest technologies and tools



Tailored Solutions

From singular problem solving up to a full-scale service of field-proven systems, we offer customized solutions



Israel Electric

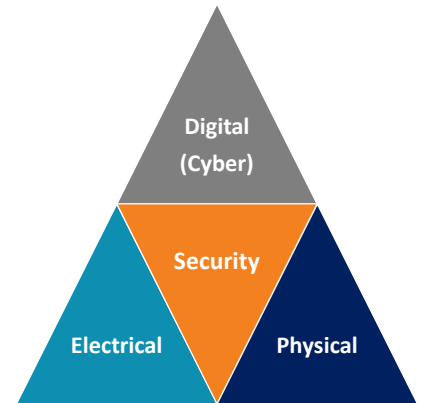
Services and Solutions

As a utility company with a deep understanding of the electricity industry and a stakeholders' perspective, we can effectively address the industry's challenges. We have leveraged a century of knowledge and experience to develop field-proven solutions and services.

360° Electricity Security Concept

The electricity industry is undergoing significant transformations. The shift towards digitalization, decentralization and decarbonization with the integration of new technologies and multiple players, alongside extreme weather events and sophisticated cyber threats have introduced new challenges to the electricity system that require a new approach.

The 360° Electricity Security Concept is a comprehensive approach that addresses the electrical, digital, and physical threats and their interconnected vulnerabilities across all aspects of the electricity system, resulting in a more resilient and adaptable system. The approach encompasses all aspects of the electric system, including generation, transmission and distribution, ensuring that vulnerabilities are identified without leaving gaps in security.



With this approach organizations can shift from a siloed-based, reactive, and static approach to a system-based, proactive and dynamic strategic planning. The lifecycle architecture encompasses the entire spectrum of security, from before interruption to during and after interruption to mitigate the impacts of disruptions. The concept is adaptive and is designed to evolve based on lessons learned, emerging threats and vulnerabilities, ensuring that the security measures remain relevant and effective in the face of the changing electricity landscape and are customized to the organization's needs.

Digital & Cyber Solutions for ICS, OT and SCADA Systems

Digital Twin

Zone™ is a patented digital twin for emulating, simulating and validating operational events and cyber scenarios in a near-real-time safe environment, without endangering the operational process. With Zone™ power utilities can navigate the dynamic energy landscape by facilitating updates, upgrades and redesigns to the infrastructure and integrating renewable energy sources into the grid, through advanced digital modeling.

Strategizing Cyber Security

RCMA™ is a comprehensive cyber improvement and risk reduction tool providing decision-makers a detailed, actionable plan to address vulnerabilities and improve the organisation's cyber posture.



Project Management and Engineering

Engineering Services: From feasibility studies through conceptual design and up to meticulous execution, or assuming a holistic owner's engineering role for domains covering substations, retrofitting power plants, renewable farms, and more.

Consulting Services: Our consulting expertise spans across extensive studies, technical assessments, cost estimations, and lifecycle analyses, empowering informed decision-making. We specialize in preparing technical specifications, managing tenders, contracts, and overseeing construction, commissioning, and implementation stages.

