

Powering Through the Unexpected

The Israel Electric Corporation

As Israel's vertically integrated national electricity provider, IEC carries an extraordinary responsibility to safeguard the country's continuous power supply – both in routine operations and times of emergency. With over 100 years of experience operating as an energy island in a very challenging environment, our goal is continuity of operations – to keep the electricity flowing. We have leveraged our field-proven expertise to offer a wide range of services and solutions for power utilities worldwide.

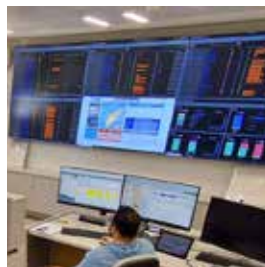
Expertise and Solutions



Security
and Emergency



Innovation



Smart Predictive
Maintenance



Engineering Projects



Digitalisation

Security and Emergency– Your Extreme Is Our Normal

Our extensive experience in high-stakes emergency scenarios has led us to develop a field-proven methodology for extreme events. When emergencies strike without warning, lack of preparedness can cause severe disruption or shutdown. IEC has consistently operated under extreme conditions while maintaining reliable operations and uninterrupted electricity supply.

This proven methodology ensures operational continuity, minimizes damage, and enables rapid recovery.

Emergency Preparedness Methodology

- Strategic Masterplan
- Managing Extreme Events
- Physical Security
- Withstanding Regulation & Government Relations
- System Restoration and Recovery
- The Human Factor and Technology

Innovation—A Key Tool for Enhancing Grid Stability and Energy Security

IEC's innovation is an essential part of its operations and strategy to ensure energy security and grid stability. IEC has created an ecosystem to accelerate the development and implementation of cutting-edge solutions and to deploy proprietary and field-proven technologies. We continuously collaborate with startups and advanced technology companies. Our key technologies include Grid Intelligence, Subsurface Mapping, Advanced Robotics, Digital Twins, and Next-Generation Infrastructure, enabling smarter, safer, and more resilient electricity networks.

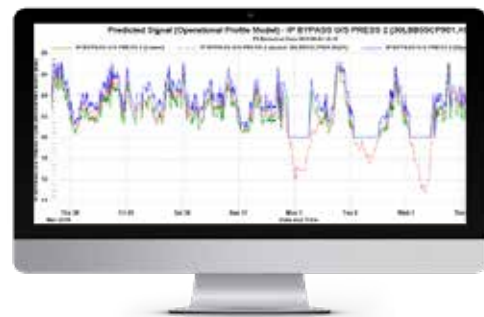


Smart Predictive Maintenance—Ensuring Efficient Operational Continuity

In industrial plants, equipment integrity is critical for operational continuity, maximum efficiency, and meeting production targets. Faults that develop in critical systems may lead to unplanned shutdowns, reduced output, and costs amounting to millions of dollars.

Benefits:

- Extension of equipment lifetime
- Operational continuity
- Reduction of unplanned shutdowns
- Data-driven decision making
- Smart, forecast-based management
- Reduction of up to 15% in maintenance and operational costs



Engineering Projects

Our comprehensive range of services covers the entire project lifecycle, starting from initial feasibility studies and site selection through pre-design, detailed engineering, to construction supervision, and post-project evaluation. We excel in detailed design, where we meticulously translate concepts into practical solutions. With our expertise in project management, we ensure seamless coordination and execution.

Engineering Specializations:

Electro-Mechanical Systems, Electrical and Control, Fire & Safety Systems

Full-Service Expertise:

Combined Cycle, Coal to NG Conversion, Emission Reduction, Open Cycle GT

Digitalisation

IEC is at the forefront of digital transformation across the entire electricity chain – generation, transmission, and distribution – leveraging advanced technologies to enable grid resilience. Key applications include smart meters, predictive maintenance, real-time grid management, AI, and cybersecurity solutions to ensure secure and efficient operations. This shift to digital enhances operational efficiency, reliability, and customer interaction, while addressing the challenges of a complex, interconnected energy system, including integrating renewables, data centers, smart cities, and more.