

GRID-IN – Comprehensive Solution for a Sustainable Power Grid



Description

GRID-IN offers energy efficiency solutions through low-voltage grid monitoring and automatic grid schematic tracking based on digital twins. The system helps localize technical and non-technical losses and optimizes power flow for renewable energy sources and electric vehicle charging infrastructure.



Problem

Total power losses in the world electric grids reach 1.575 billion kWh annually, equating to over 35 million tons of CO₂ emissions and over \$50 billion per year. GRID-IN can help reduce annual losses worth more than \$15 billion in the world and \$40 million in Israel.

Solution

Basing only on typical data from power meters (energy profiles) GRID-IN provides real-time monitoring of all grid parameters, localization of unaccounted consumption and hidden damages and control of grid topology changes

Impact

Over 40% reduction in power losses
Reduced grid maintenance costs

Partners

Israel: Israel Electric Corporation

Cyprus: SKIKEME

Moldova: Premier Energy

Technology

Patented technology

Contact

Ivan Alymov, CEO GRID-IN
+972557707928
gridinspector.com

