



Subtask 5- FI technology database

FI Tech Case #5: Empower Oy

Company contact information:

Empower Oy
Lommilantie 6
FIN-02740 Espoo
Finland
Tel. +358 9 4259 2000
Fax +358 9 4259 2291

email address format: `firstname.lastname@empower.fi`

Website: www.empower.fi

Empower Oy is one of the largest service providers in the energy, telecom and industrial sector in Finland and the Baltic countries. Owned by the group's operative management (25%), the capital investors 3i Group (42%) and Profita Fund II Ky (33%), Empower operates in forty-five locations in Finland, Estonia, Latvia, Lithuania and Russia. Empower's turnover is 130 million euro and the number of personnel totals 1,600, 600 of whom in Baltic countries

SERVICES

Empower offers services to customers in the energy and telecommunications industries and the manufacturing sector. Customers receive comprehensive solutions for energy data management, production, and transmission and delivery of energy and data. As an innovative forerunner combining competencies, Empower provides the best added value for its customers.

Energy Data Management

Empower is Finland's leading company providing energy data management services. Our operations are primarily based on an understanding of the energy markets and our

customers' businesses as well as combining competencies in information systems.

Empower has more than 30 years of experience in energy production and development services. Our customers include energy companies, balancing parties, network operators, energy producers, industrial enterprises and district heating companies.

We provide services related to production, energy trade, distribution and sales. Our service offering also includes control room services, reporting and invoicing as well as IT systems.

Energy data management

Empower is Finland's leading provider in energy data management services specialising in services related to energy trade, distribution and sales. The service offering also includes Control Room Services, Telecom Systems and IT Systems.

Energy Trade Services

- Balance management
 - Energy purchasing planning
 - Energy trade in practice
 - Real-time balance calculation and monitoring
- Balance settlement
 - Acquisition of measurement and energy data
 - Management of power shares
 - Processing of electricity trade data
 - Calculation of open access transmissions
- Energy invoicing
 - Production of invoicing data
 - Reporting on sales and transmission data in the energy trade
- Emissions trading services
- Additional services
 - Messaging services between information systems
 - EHJWEB reporting service

Distribution and Sales

- Balance adjustment service for distribution networks
- Delivery management service for energy sellers
- Measurement service
 - Applications: monthly energy volumes, hourly energy volumes, real-time measurements, district heat
 - Periodic inspections
 - Metering and monitoring equipment, terminals, transmission paths (PSTN, GSM, GPRS, low and medium voltage networks)
 - Reading systems
- Interfaces to customer information systems
- Data transfer between the information systems of various parties

Control Room Services

- Network control and operations – distribution, district and community heating networks
- Electricity and gas balance management
- Control and operations of water and thermal power plants

Telecom and IT Systems

- Energy Management Systems
 - balance management, balance settlement, energy trade, invoicing
- SCADA Systems
 - power plants, networks, district heat
- Power Plant IT Systems
 - maintenance and operation
- Content Management Systems
 - portals and document management
- Communication Networks
 - virtual networks, remote connections, information security
- Telecom Systems
 - telecommunication connections, substations, disconnecting stations

For additional information, please contact:

Vice President Jorma Huhdanmäki

telephone +358 9 5355 2040 or +358 44 425 2040

Vice President Marko Ryttilahti

telephone +358 9 4259 2250 or +358 44 425 2250