

Plant Settlement System for Power and Water

Eltrix Plant Settlement system and Fuel Demand Modeling (FDM) software helps utilities manage their commercial contract by automatically generating energy invoices and related reconciliation reports. These invoices and reports takes into account commercial aspects like the tariff agreement, regulations, contract performance guarantees, etc. and technical aspects like plant performance, fuel efficiency and other operating conditions like load, ambient, fuel, etc.

Eltrix Plant Settlement system and FDM software virtualises the plant and its operating environment using advance thermodynamic plant model and neural network. It utilizes information from the plant's data acquisition system – Distributed Control System/Supervisory Control and Data Acquisition (DCS / SCADA) and tariff meters to generate monthly invoice for Energy/Water Output. The system provides the user with an effective tool to maintain energy data in a computerized environment by automating the work flow. The productivity improves substantially with invoices being generated in time, accurately and seamlessly.

Kalkitech expertise lies in engineering and deploying Settlement systems using Eltrix, connecting to DCS, SCADA, meter data and Management Information System/Enterprise Resource Planning (MIS/ERP) systems using any available standard interfaces.

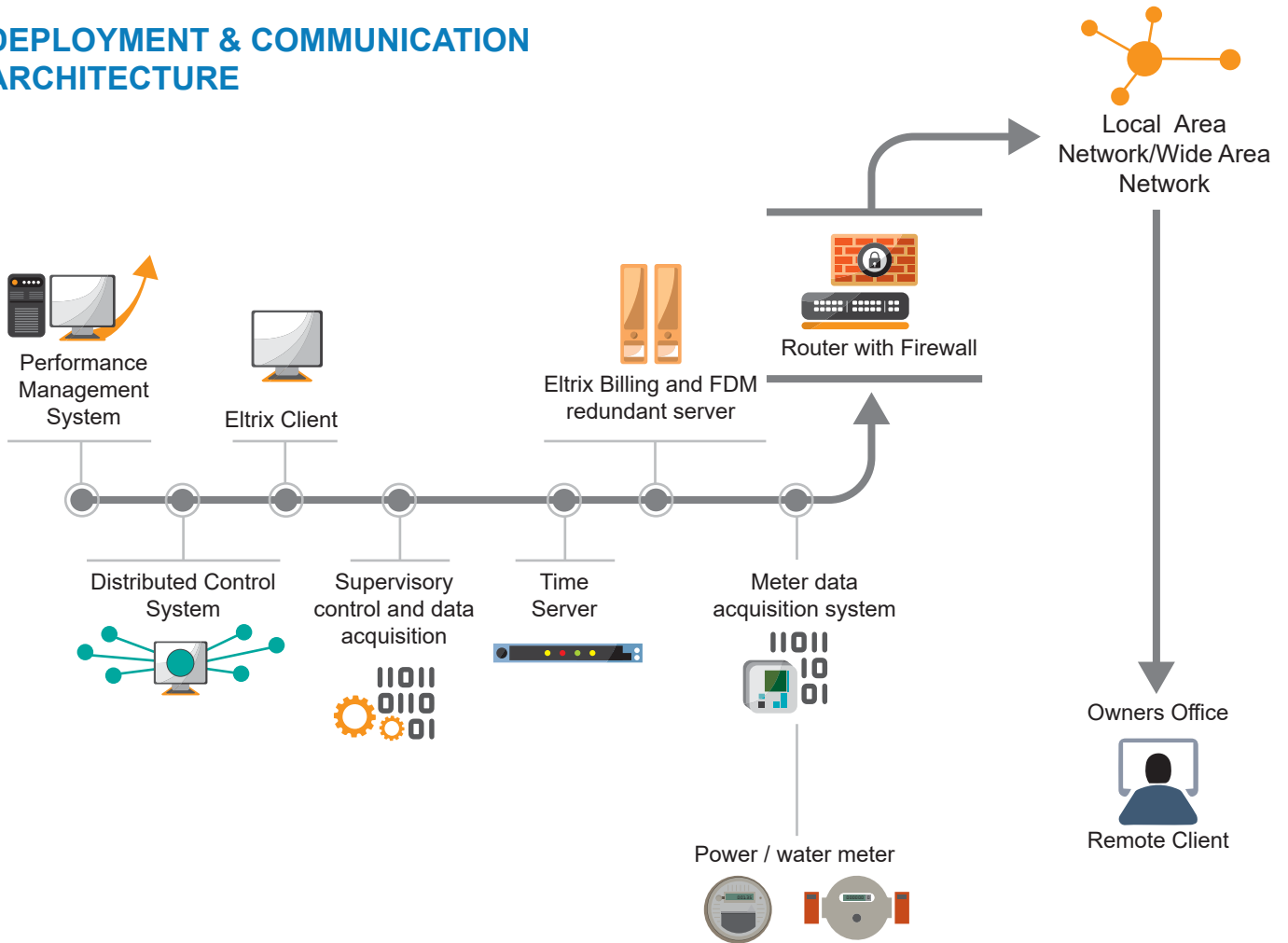
ELTRIX FEATURES

- Energy and water meter data using standard interfaces through automated meter reading system
- Communication interface with plant DCS & SCADA system
- Invoice generation per tariff structure
- Advance neural network
- State of the art thermodynamic modeling using first principles
- Fuel demand model
- Graphical user interface with customized dashboards
- Customized user defined report generation
- Data exchange through LAN/WAN connectivity

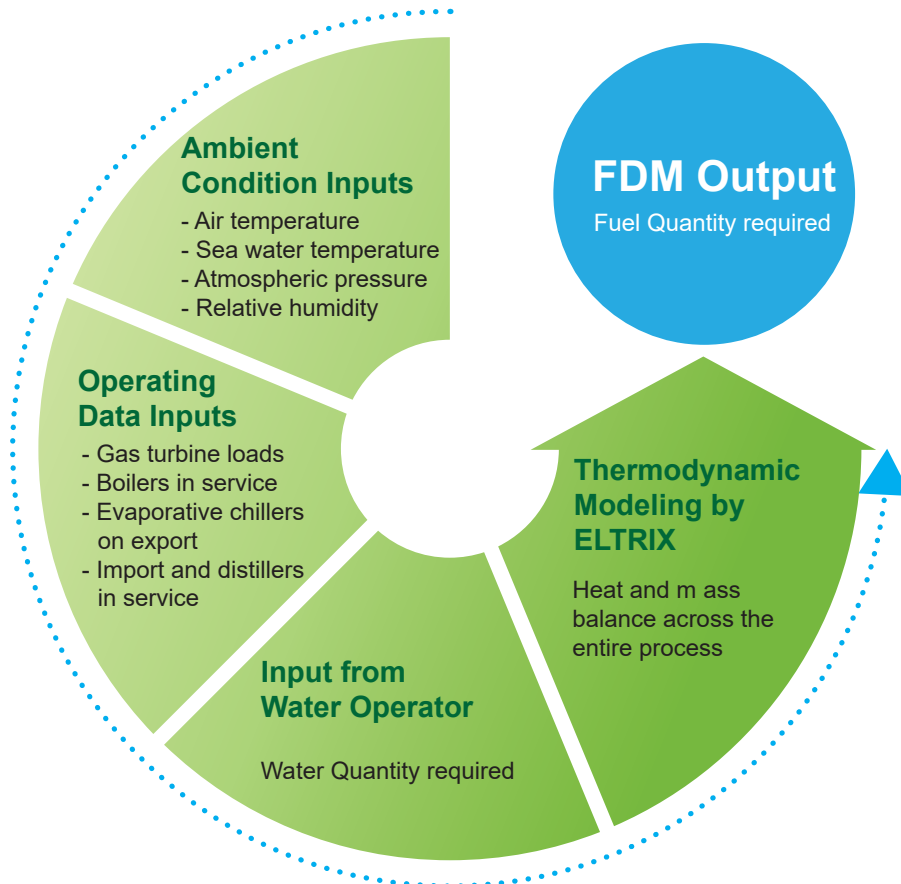
BUSINESS BENEFITS

- Eltrix billing system approved by major power and water utilities
- Standards-based technology solutions
- Over 15 years, 20GW expertise across India, Middle East and APAC
- Expertise in Field Meter Data Integration, ERP/Third party System Integration
- Automation of billing work flow resulting in improved productivity

DEPLOYMENT & COMMUNICATION ARCHITECTURE



FUEL DEMAND MODELLING (FDM)



AUTOMATIC GENERATION OF MONTHLY INVOICES BASED ON THE ENERGY & WATER EXPORT

Input

Output

