

AMM Automated Meter Management



eRDF a subsidiary of EDF administrates the electricity distribution network in 95% of the French territory. Its job is to ensure that energy is distributed safely to consumers with the highest quality of service.

Business challenge

- ▶ ERDF new information system and smart metering infrastructure for 35 million customers
- ▶ Remote data acquisition every day of all the meters
- ▶ Meter management to control the Grid
- ▶ Compliance with CRE (French energy regulator) and ERGEG (Council of European Energy Regulators) recommendations
- ▶ ERDF Operational improvement and grid management optimization

Solution

- ▶ Atos Worldgrid information system based on SOA architecture and off-the-shelf software integration :
 - Oracle Enterprise Service Bus (ALSB) and BPM (Business Process Monitoring)
 - MDM (Meter Data Management) solution
 - EAM (Enterprise Asset Management) activity
 - M2M / GPRS communication (AO Worldline solution)
- ▶ PLC laboratory for equipment testing

Benefit

- ▶ Interoperability between equipments (meters, concentrators)
- ▶ Scalability and performance capabilities to cope with large volumes of information and also down sizable solution for small SI
- ▶ Business oriented implementation to ease upgrades and distribute computing
- ▶ Open PLC standard
- ▶ Basis to smart grid functions
- ▶ Few years ROI