



Energy Trading Risk Management (ETRM) Practice

ETRM Practice Development Front ~ Middle ~ Back Office

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- **Energy Trading Services**
- **Energy/Commodity/Financial Trading Products**
- **Commodities**
- **Processes**
- **Commodity Optimization**
- **Questions**

- **Deal Capture and Optimization**
- **Asset Management**
- **Forecast**
- **Physical, Commodity and Financial Trading**
- **Credit, Risk, Portfolio Management**
- **Physical Scheduling**
- **Account Payable/Receivable Settlement**
- **Marine, Pipeline, Truck, Barge, Rail Movements**

- Endur/Findur, APM, gMotion, cMotion, pMotion
- TriplePoint, Credit Ready
- Allegro – Allegro (LNG, NGL, NG)
- SunGard
- SolArc
- Murex
- Sophis, Sophis Risque
- ZaiNet Risk Analytics, ZaiNet Security
- Calypso
- WebICE
- Charles River
- Bloomberg POMS

Commodities

- Crude
- Power
- Gas, Oil, Coal, Lignite, Nuclear
- Ancillary Services (primary, secondary, tertiary – up & down)
- Emission Certificates (SOX, NOX, CO2)
- Steam (high-, medium-, low-pressure)
- Heat (district heating)

- **Energy Data Management**
 - Time series management
 - Flexible formula calculations
- **Forecasting / Sales Planning**
 - Regions
 - Segment/customer based
- **Procurement Optimization**
 - Power plant (hydro, thermal)
 - Gas elements (storages, mixing stations)
 - Off-standard contract clauses
- **Transport Route Optimization**
 - Paths
 - Constraints

Why multi-commodity Optimization

- Power / Ancillary Services / Gas / Oil / Coal / Waste / Heat / Emissions / Certificates / Green Energies / etc.
- From Long-Term Planning to Short-Term Trading taking into account the whole portfolio picture for a global approach
- One system solution for Portfolio – Optimization and ETRM Analysis covering the whole value chain incl. regulatory compliance



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