

ADVANCED ANALYTICS & ENERGY EFFICIENCY

Decision support system
fully customizable to the client





autana
BUSINESS PARTNERS

Who is it for?

Companies in the energy and industrial sector

We have a generic platform for the generation of fully parametrizable and easy to use mathematical models.

The models are built according to the needs of the client and can be ported to any management tool the company is using.





Our offer



Project evaluation

Prediction of the production of ER

Optimization of the "Energy Mix"

Predictive Maintenance

New markets



Troubleshooting

New points and / or line deviations

Energy Trading & Risk Management

Smart Grids Optimization

Demand forecast



Purchase and sale of energy

Energy audits

Consuming patterns

Fraud detection

Customer loyalty



New project phases

- Examination of the actual situation and collection of information.
- Formulation of the problem, identification of the variables to be optimized and choice of the objective function.
- Mathematical models construction.
- Model resolution.
- Analysis and verification of the obtained solutions.
- Utilization of the system obtained for later use.

Tecnologies

- Mathematical programming
- Descriptive, predictive and prescriptive analytic
- Bussiness Intelligence
- Big Data
- Machine Learning
- Streaming Analytics
- Parallel processing
- DB





Advantage

- Operational flexibility.
- Integration of production and energy management.
- Real time results.
- Integrated decision support.
- Multi-stage simulations.
- Global analysis of the entire production chain.
- Optimal solutions.
- Long-term negotiation optimization.

What makes us different

INNOVATION

- Mathematical optimization software, the result of more than 20 years of experience in multiple projects
- New paradigm. Handling several optimization tools without any effort
- Agility and flexibility. New mathematical models adapted for the short term.
- Multi platform. Portability of mathematical models between different optimization technologies.
- Multiple decision models.
- All stages of the mathematical modeling process.



CONTACT

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