

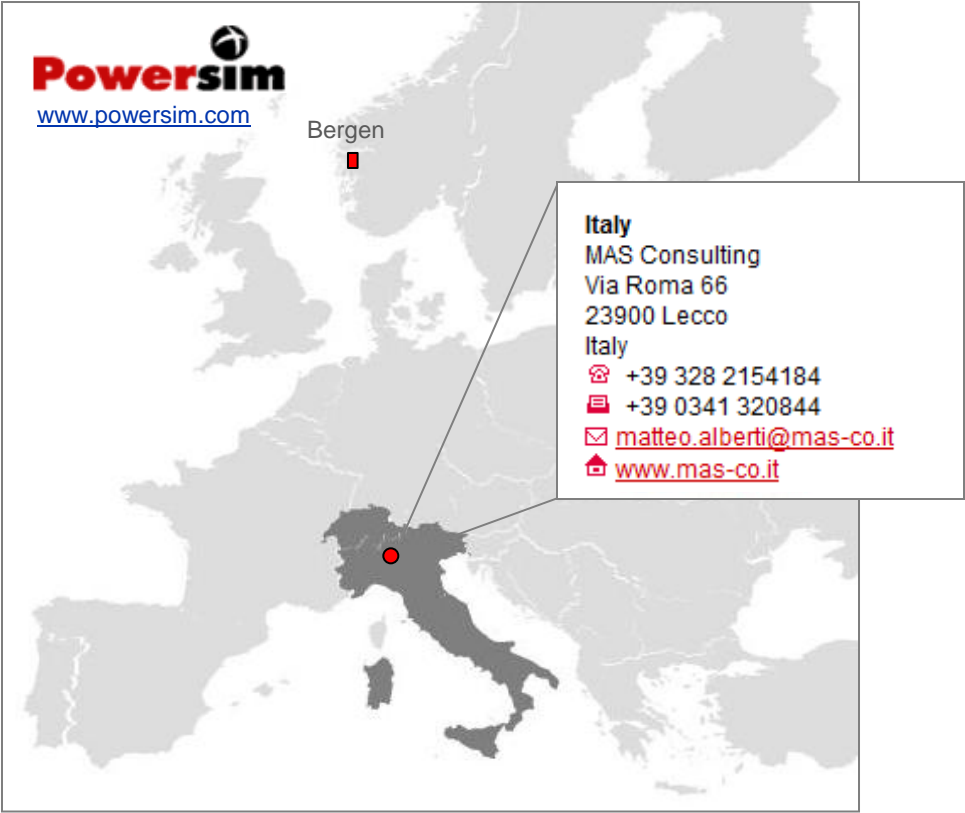


MAS Consulting Company Presentation

Company specializing in dynamic simulation models to support business

MAS Consulting – a Powersim Software Partner Company

MAS Consulting is reseller for Italy and Swiss of Powersim software



With its flagship product, Studio 8, Powersim Software is a leading global provider of instruments for the realization of dynamic simulation models

MAS Consulting lines of business

MAS Consulting assists people to improve his business by developing simulation models that provide a concrete support in operational, tactical and strategic decision.

Three Business Lines of MAS Consulting

Products

- > Custom development of simulation models starting from MAS architectures
- > Specific application MAS
- > Sales and post-sales support for Powersim software products

Consulting

- > Functional analysis to support the simulation model
- > Solution design
- > Follow up to possible new application and developments(es. System integration)

Workshop

- > Powersim SDK (ITA e ENG)
- > DynaMAS
- > BPR
- > BI and Controlling
- > Custom training designed on client needs

Simulation Models : what they are, and what they do.

MAS Consulting, through the use of Powersim products, develop **dynamic simulation models**.

What are they



They are the reproduction, in software ambient, the business model of a company or all the processes taking place there and their operating modes.

What they do

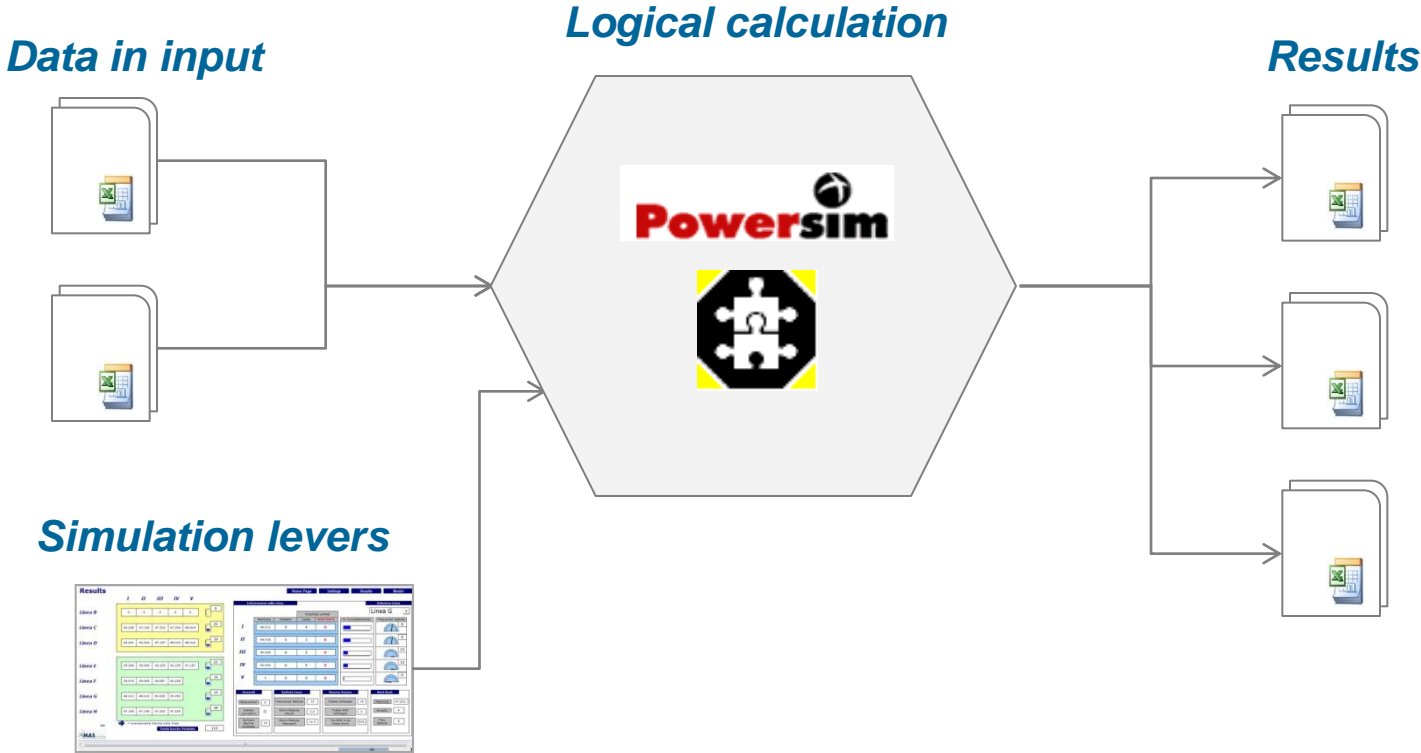


They are able to analyze current situation, understand future scenarios, and to support business decisions. Enable to :

- > Predict the behavior of the system to changing conditions
- > Understand the casuality between the variables and the effect of decisions over time.
- > Estimate the technical and economic performance indicators
- > Find optimal solution while reducing costs and reducing investment risk.

Model

Graphic schematization of a simulation model and the elements that constitute it.

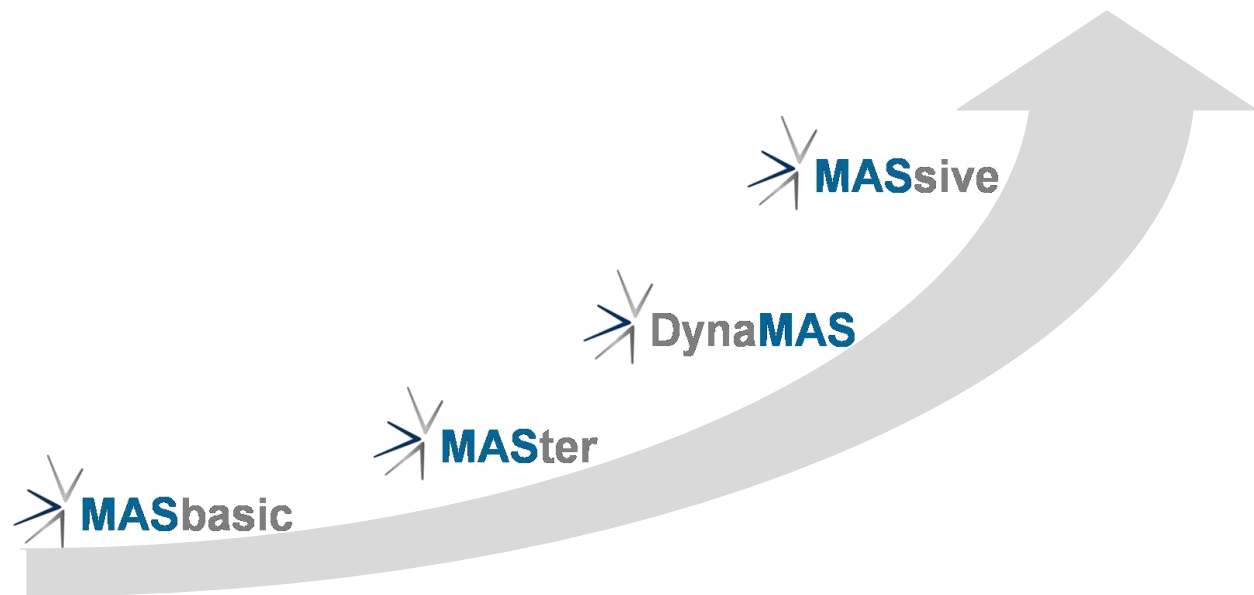


MAS products (1/2)

MAS respond to business needs, more or less complex, developing fully customizable models that integrate with databases and business systems.





MAS suits their architecture at company business problem, to guide the same, gradually, at the use of simulation models to arrive at increasingly advanced levels of integration.

Architecture base of MAS



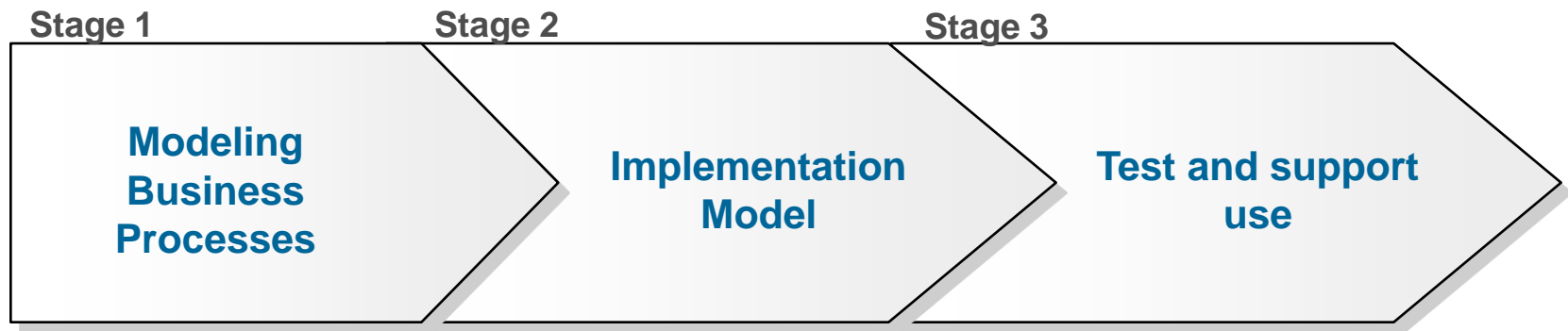
I prodotti MAS (2/2)

MAS architectures are the bases for the development of more advanced simulation and integrated models.

	Powersim Model	Integration Database	IT systems integration	Simulation Management	Powersim License
 MASbasic	Local	Local XLS	Manual	Manual	Executive
 MASter	Local	Local Access + XLS	Manual	Manual	Executive
	Local	Access + XLS on server	Manual	Manual	Executive
	Local	Access + XLS on server	Automatic	Automatic	Executive
 DynaMAS	Server	Automatic	Automatic	Manual	SDK
 MASsive	Server	Automatic	Automatic	Automatic	SDK

Delivery Methodology

MAS Consulting follows a specific Delivery Methodology proven through different projects and refined over time through the experiences.



- > Setting expectation and output model.
- > Setting simulation parameters, input and logical model.

- > Development del Powersim model
- > Realization GUI (Graphical User Interface)
- > Test model (final output and intermediate results)

- > Support in the configuration and use of the instrument
- > Evolutionary maintenance of the instrument.

MAS Consulting Value-Added

Consulting

- > Planning tool and simulation, customizable from the most different customer requirements.
- > Solution scalability : functional (new requirement) and technics.
- > Post-launch assistance from the client and remote

Technology

- > Powersim Studio and Powersim SDK plus other asset MAS Consulting properties.
- > Technical and commercial Partnership with Powersim Software AS (Norway): possibility of having ad hoc developments for the client.
- > High interfacing with other existing systems at the customer

Management Team

- > Management Team involvement in the activities of delivery
- > Years experience in the consulting, covering areas of Business Consulting and System Integration.
- > Experience in large consulting firms (Accenture, DMR-Everis) working for major Italian and foreign clients (Barilla, ENI, Azimut-Benetti, ...)

Why Powersim?

Powersim Studio 8 is the ideal tool to achieve a dynamic simulation model

Market Share



Powersim SA has been working since 1992 in the only area of the Business Simulation, in the years has become one of the players more certificates worldwide.

Scalability



Different versions of Powersim (Studio 8, SDK) make possible the use of the model in a desktop environment initially, and then transfer it to server environment without any modification to the logic of the model.

Integration with external system



The connectors DataSet allow smooth exchange of data with any database and make Powersim a simulation tool for Business.

Sharing of logic



The use of the model can be released from its component logics of knowledge through the use of different releases (Enterprise, Executive). Is then guaranteed the intellectual property of the model.

Sharing of models



The typical development environment completely visual of Powersim Studio 8 provides a fast learning and easy sharing of information even professionals not directly involved in development.

Customers

Industry



Energy



Finance



Services



University & Academic



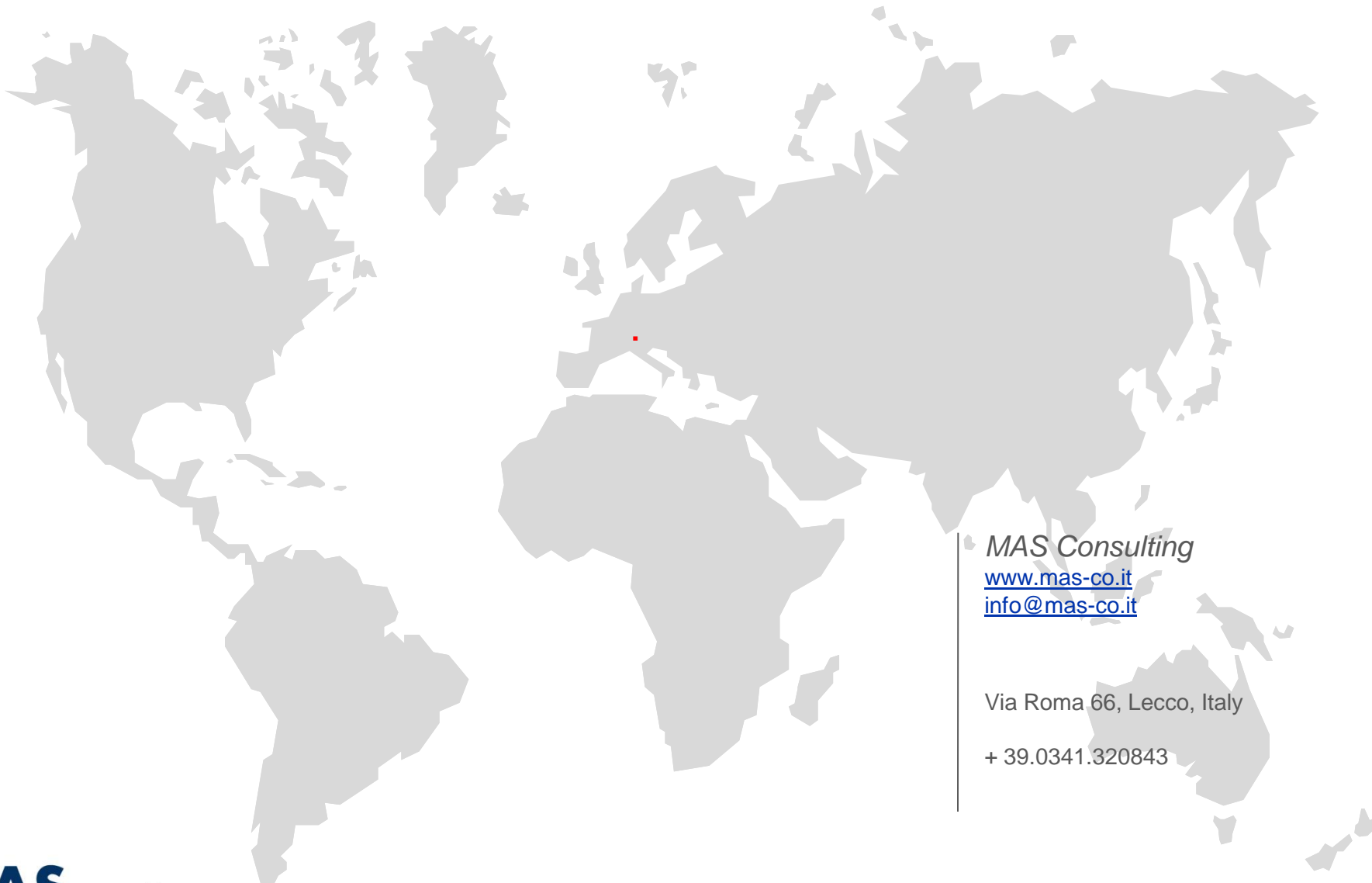
Web Sites



International Workshop



Contact



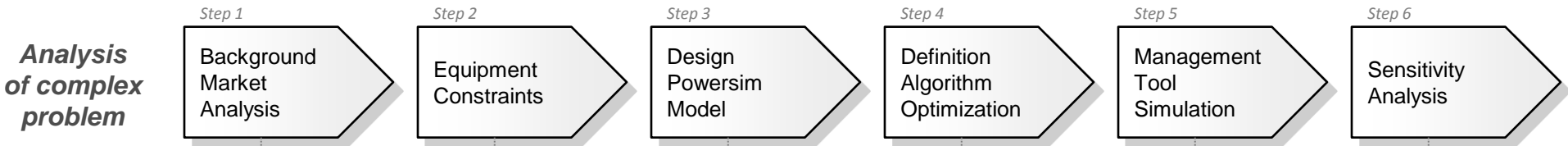
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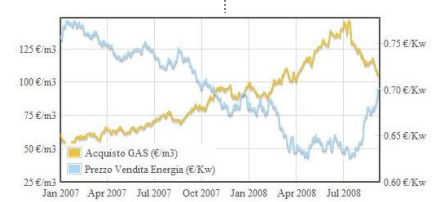
The solution of complex problems

Project StoryLine – MAS Consulting & Powersim

The solution to complex problems requires a series of activities defined. Each type of problem will be characterized by a different customization of objects affected by different process steps.



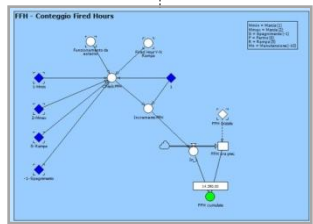
Analysis of complex problem



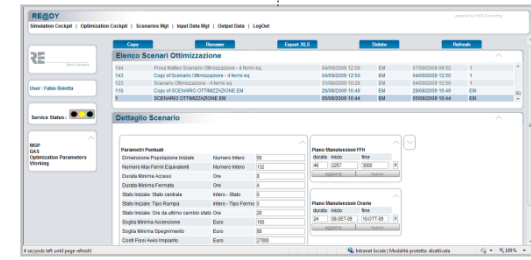
- Analysis of the reference context
- Understanding of economic and financial logic related to simulation model



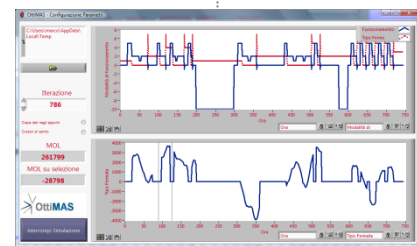
- Management of technical constraints of the plant



- Development Powersim Model
- Calculation of objective function



- Web Application for simulation management



- Customization algorithm optimization (OttiMAS)

Tipologia di risultato	Sim - 1	Sim - 2
MWH prodotti	1.863.569	1.637.678
Margine Operativo Lordo	25.488.893	26.144.319
Fired Hours	5.758	5.079
Fermi equivalenti	12	77
Fermi per tipo	A1 = 3 A2 = 1 B = 0 C = 3 D = 0	A1 = 4 A2 = 25 B = 4 C = 0 D = 11

- Comparison of simulation
- Sensitivity analysis on various parameters