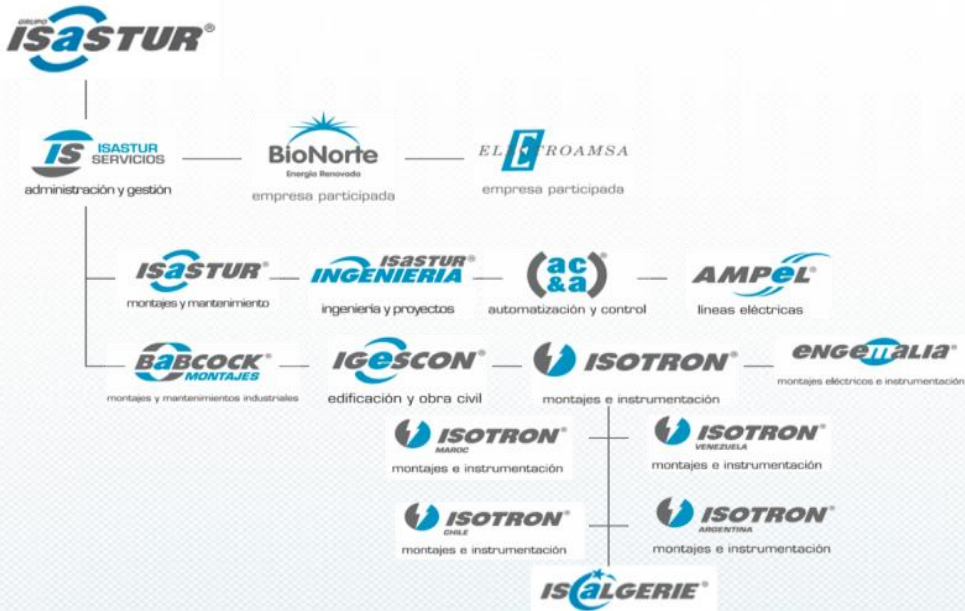




*PPP Brokerage Event*  
*Brussels, July, 11th*

# Isastur Group

# Activities



Projects & Engineering



Instrumentation, Automation and Control



Civil works



Electric & Electromechanical assembly



Maintenance



## AUTOMATION & CONTROL

[**SUBGATE**] Multiprotocol Communications Concentrator for Electrical Substations (IEC 61850)

[**CTEYE**] Failure Detection in Urban Transformation Centers based on Algorithms integrated within RTUs

[**MiniVista Dinámico**] Dynamic SCADA for Electrical Substations.

## ENERGY

[**ENERsip**] Energy Saving Information Platform for Generation and Consumption Networks.

[**CTRL BIPV**] Arquitectonic Integrated Photovoltaic Plants Intelligent Monitoring

[**INTEGRAL B**] Biodiesel Production Process Subproducts Valorization (biogas + cogeneration)

## SAFETY & HEALTH

[**EVISAT**] Virtual Safety Training on Electrical Sustations.

[**SETRAZA**] Working Protection Equipment Traceability at Hostile Industrial Environment.

[**ALERTRA**] Safety Working Area Monitoring.

## ELECTRICAL INSTALATIONS

[**REDES 2025**] Electric Storage within Distribution Networks

[**LIVING CAR**] R&D activities involving EV.

[**CORTASAT**] Fire-stopper Wall for Electrical Substations.

## MAIN INTEREST

**FoF.NMP.2012-1** Adaptive production systems and measurement and control equipment for optimal energy consumption and near-to-zero emissions in manufacturing processes

**FoF.NMP.2012-3** Intelligent production machines and 'plug-and-produce' devices for the adaptive system integration of automation equipment, robots and other intelligent machines, peripheral devices, smart sensors and industrial IT systems

**EeB.NMP.2012-1** Interaction and integration between buildings, grids, heating and cooling networks, and energy storage and energy generation systems

**EeB.NMP.2012-2** Systemic Approach for retrofitting existing buildings, including envelope upgrading, high performance lighting systems, energy-efficient HVAC systems and renewable energy generation systems

## SECONDARY INTEREST

**NMP.2012.3.0-2** Total Safety Management for industrial organizations

**NMP.2012.4.1-1** New environmentally friendly approaches in minerals processing

**EeB.NMP.2012-3** Development and validation of new 'processes and business models' for the next generation of performance based energy-efficient buildings integrating new services

**GC.NMP.2012-1** Innovative automotive electrochemical storage applications based on nanotech.

## FACTORIES OF THE FUTURE

Topic FoF.NMP.2012-1

**ENERNESS.** Self awareness of energy performance and energy intelligence in manufacturing processes

## ENERGY EFFICIENCY IN BUILDINGS

Topic EeB.NMP.2012-1

**CHORUS.** Flexible energy and information gateway for generation and consumption networks

## CHORUS. Flexible energy and information gateway for generation and consumption networks

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### Objectives:

- Designing, specifying and developing technological solutions which contribute to create energy and information gateways in order to optimize energy balance of different communities. The gateways will enable global supervision and control of consumers [users and processes] and generators, managing energy flow and storage under efficiency criteria.

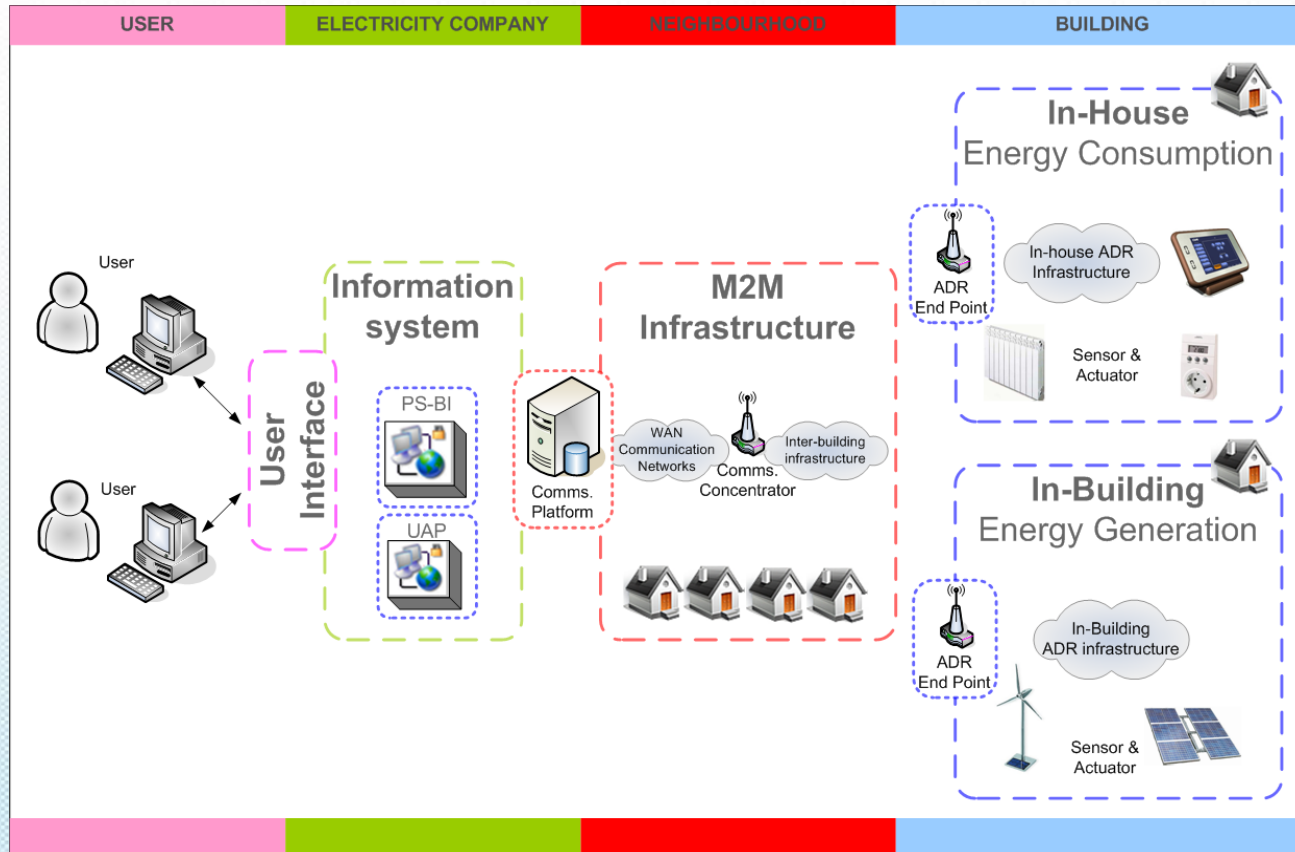
### Expected results:

- energy savings in different communities
  - enhanced control of heating and cooling
  - community energy efficiency criteria in microgrids planning and control
-

# PPP: EeB Topic EeB.NMP.2012-1


## CHORUS. Flexible energy and information gateway for generation and consumption networks

Project framework concept [coming from ENERSIP, FP7 project]:



# PPP: EeB Topic EeB.NMP.2012-1

## CHORUS. Flexible energy and information gateway for generation and consumption networks

Known Partners				
S.No	Partner Name	Type	Country	Role in the Project
				<p>ENERSIP consortium consists of ten entities from five countries (4MS+1AC), roles covered are:</p> <p>Energy infrastructure developers, IT network and equip. manufactures, ITC players, Electricity DSO, R&amp;D in energy consumption / smart grids / ITC arch. &amp; services</p>
Required Partners				
S.No	Profile	Type	Country	Role in the project
	Heating and Cooling equipment	SME / Large		
	Storage technologies	R&D or Company		
	Construction industry	Large		End user [validation of new concepts and strategies]

Organisation  
Isastur Group

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+34 985 984 104

**ENERNESS. Self awareness of energy performance and energy intelligence in manufacturing processes**

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Objectives:

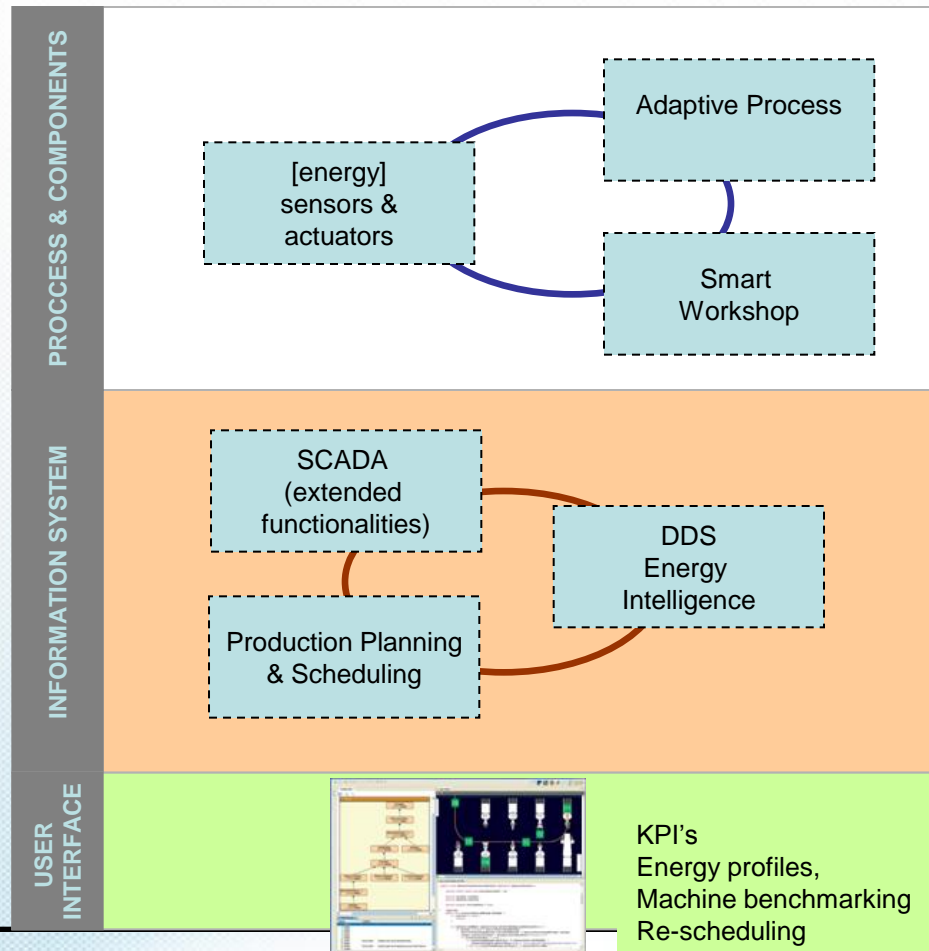
- Developing of new framework of production scheduling and production supervision and control oriented to introduce energy performance of manufacturing processes as a KPI of the industrial companies.

Expected results:

- energy savings in manufacturing industry
- building new vision of energy within manufacturing industry

# PPP: FoF Topic FoF.NMP.2012-1

## ENERNESS. Self awareness of energy performance and energy intelligence in manufacturing processes



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# PPP: FoF Topic FoF.NMP.2012-1

## ENERNESS. Self awareness of energy performance and energy intelligence in manufacturing processes

Known Partners				
S.No	Partner Name	Type	Country	Role in the Project
1	Isastur Group	Large	Spain	Information system (SCADA)
2	NoNAME	Large	Spain	End User
Required Partners				
S.No	Profile	Type	Country	Role in the project
	End users (metal working industry, chemical, paper)	SME/Large	Non spanish	
	Technological expertise in DDS	R&D		
	Technological expertise in scheduling	SME/Large		
	Energy efficiency consultants / auditors	SME		Procces characterization methodologies for energy performance
	Machine manufacturer(s)	SME/Large		



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