

# ENERGY COMPETENCE CENTRE



ECC in the Czech Republic and Slovakia is the first Competence Centre in the Energy field to be established outside of Spain to bring the Indra experience closer to the customers in the dynamically developing region of Central and Eastern Europe.

## What is Energy Competence Centre?

ECC is working as an integral part of Indra, developing strategy that reflects specific regional requirements. This way ECC will help customers achieve higher value and benefits.

## Mission

Energy Competence Centre (ECC) should fulfil a mission that could be described as follows:

“Provision of regional services for commercial and project activities in CEE and transformation of the experience into the worldwide network of Indra services”

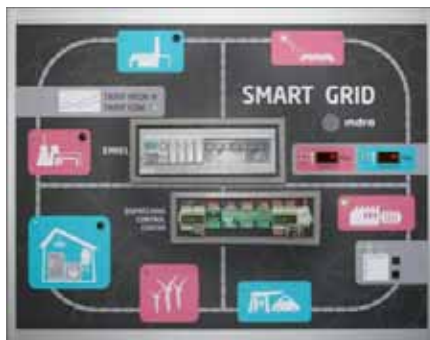
## Added value of ECC for customers

What makes ECC stand out from the traditional approach is the assignment with a fresh perspective, creating a tailor made solution based on standards for each project and requirement in order to precisely meet our customers' needs. ECC will provide its customers with:

- Deep insight into local and regional issues, hence optimum application of the general product for local use.

- Consolidation of regional knowledge as well as a unified interface to other regions so that the transfer of experience between local countries will help customers to boost their businesses.
- First line support during all project phases (pre-project, project and post-project).
- Support of a group of specialists with a sound knowledge of the proven solutions that are closer to our customers.

ECC is not an isolated unit within Indra but cooperates closely with other units across countries to consolidate market and technological understanding and to integrate complex services into the final product, e.g. infrastructure and telecommunication that are provided by horizontal division.



## ECC Areas of Activities

The offering provided by ECC reflects the product portfolio of Indra Sistemas plus the products of local/regional branches and 3rd party providers.

The offering is divided into seven areas. Every area is represented by a product line manager that supports the customer with a deep knowledge of the products and insight into:

- Consultancy – Consultancy services cover all other areas and help the client to realize their goals in the optimum way. ECC provides the following consultancy services: strategic, business, process and technological consultancy.
- SCADA/RT DC – SCADA/RT DC represents reading and processing of metered data from generation, distribution and consumption of electricity, or different equipments of technological units followed by presentation of data for technicians and managers. Tools for integration with other systems for enterprise management are parts of this area. This is what SCADA is all about. For your good

and prompt decision making to achieve a better economical outcome for your enterprise, you need SCADA in real time or otherwise real time in SCADA.

- Metering – Metering represents the starting point of the utility business cycle "Readings-Billing-Collection" relevant for transmission and distribution of utilities (electricity, water, gas, heat) that is gradually changing into AMM with the prospect of shaping the backbone of the smart grids.
- Networking – This area relates to services and solutions of energy transport and distribution companies where we are trying to propose a solution for every distribution business process: Network Planning, Development, Maintenance, Operation, Field Services and Reporting. This business has been recently challenged to new concepts (Smart grid) that demands higher transparency, flexibility, reliability and efficiency on the power network.
- Simulation and Monitoring – Is mainly linked to previous areas of networking

and real time data collection and provides specialised services in modelling, simulation and prediction that bring a key value for generators and distributors.

- ETRM/MMS – Energy (Commodity) Trading and Risk Management related products is focused on the market participation allowing a trader to fulfil the strategy in the areas of commodity trading, risk management, and physical logistics. Market Management System is focused on market management when the market and/or system operators provide market management services under locally specified conditions.
- Integration – In ECC we reflect the general goal of systems integration by concentrating our effort on the integration platform for different areas of energy business (e.g. OCEN for generation). From an organisation point of view, as well, in INDRA we trying to link up our knowledge with knowledge of horizontal division where we can find proficiency with the horizontal integration platform ( SAP XI, Oracle Fusion etc.).