



Press Release

THE BRAZILIAN COMPANY PETROBRAS WILL MANAGE ITS THERMAL GENERATION PLANTS USING INDRA TECHNOLOGY

- **The contract includes implementing the inGEN system for the Centralised Control Centre (COE) and the 18 thermal power stations of the energy giant**
- **Aside from consolidating its position as a technological partner of Petrobras, one of the five largest energy groups in the world, Indra boosts its leadership in Brazil's energy market, where more than 40 companies have adopted its solutions**

Indra, the leading Spanish multinational consulting and technology firm and one of the main players in Europe and Latin America, has obtained a new contract with Petrobras, the largest energy group in Latin America and one of the top five in the world, to implement its technology for managing and operating the Brazilian giant's thermal power stations.


Through this agreement, Petrobras will adopt the inGEN system in order to standardise scheduling and operating procedures in real time between the energy operations centre (COE) and the company's power plants, as well as communications with the National Electrical System Operator (ONS). Petrobras' group of thermal power stations consists of 18 plants located throughout the country that sum an installed capacity of nearly 5,000 MW.

Indra's solution will integrate Petrobras' Operations Management System (SGO) and provide integrated coverage of pre-operation, real time operation and post-operation procedures. This means that the support will cover power generation scheduling, incident and issue management, availability analysis, production tracking as well as the preparation of daily and monthly operations reports, among other aspects.

The primary advantages of implementing inGEN include automating communications with technical network operators, making available real time information in the systems, managing information in a centralised and local manner, standardising operating processes and unifying information. It also facilitates the use of common indicators in managing the power stations as well as standardised reports, among others.

The project has a high strategic value since it is the first implementation of this system in South America, and also because of the customer's high relevance.

Petrobras is an integrated energy company that is present in 28 countries throughout the five continents. It operates in the entire chain of oil and gas, as well as in the production of

An abstract graphic consisting of several overlapping, semi-transparent blue shapes that resemble liquid droplets or flowing energy. The shapes are concentrated in the top right corner of the page, with some extending towards the center. The colors range from light sky blue to a deeper cerulean blue.

biofuels and other alternative energies. The corporation has more than 100 production platforms, 16 refineries, 30,000 kilometres of oil pipelines and more than 7,000 service stations. In addition, it has formed part of the Dow Jones Sustainability Index since 2006.

Leadership in Brazil's energy market

Indra continues to consolidate its position as one of the leading companies that provide consulting and technology services in Brazil's energy sector. It has been a technological partner of the Petrobras Group for more than six years, and over 40 power companies in the country have adopted its technological solutions.

The multinational has focused on developing industry solutions for more than 20 years and it has a global centre in Campinas (São Paulo) that develops energy technologies which have been exported to numerous Latin American countries. Indra facilities have developed inGRID-Indra Smartgrids, a cutting-edge solution that allows energy industry companies to manage the operation and maintenance of their distribution networks in a smart, effective and environmentally sustainable manner.

The technology solutions for utilities and energy developed by Indra have been implemented in more than 140 electricity, water and gas companies in more than 30 countries. Currently more than 100 million customers worldwide are managed using systems developed by Indra.

Indra is currently working on the development of new technologies and solutions in the areas of energy efficiency and sustainability, both in the generation, transmission and distribution areas and in industrial, residential and transportation consumption. The company is currently working on various Smart Grid projects that ensure sustainable, safe and economic development, and it is also participating as an adviser in the National Energy Commission (Spain) to develop Smart Grids within the Smart Grids work group.

Indra

Indra is one of the world's largest consultancy and technology multinationals, a leader in Europe and Latin America and is expanding in other emerging economies. Innovation is the cornerstone of its business, which is highly focused on customers, as well as of sustainability. The multinational is one of the top European companies in its sector in terms of R&D&i, with more than €550 million invested in the last three years. With sales approaching €3,000M, it employs 42,000 professionals and has customers in 128 countries.