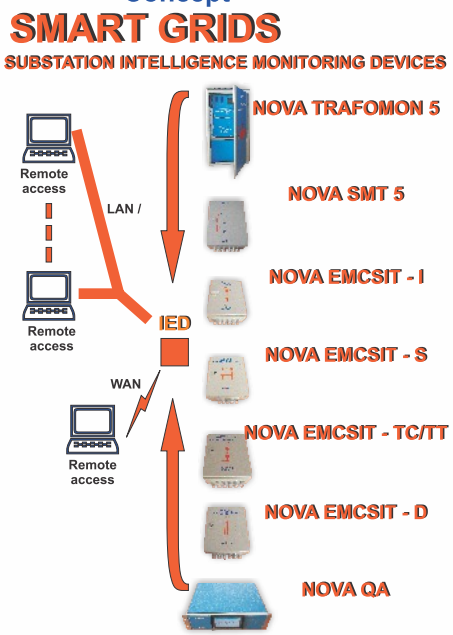
Smart Grids - from concept and research to practical implementation !
On-line monitoring of power substations from Dârste, Mostiștea and Grădiște

Concept



Production and putting into operation














Since its foundation in 1996, NOVA INDUSTRIAL S.A. was focused on the innovation activities, which allowed the company to be noted on the power market by the products and services provided.

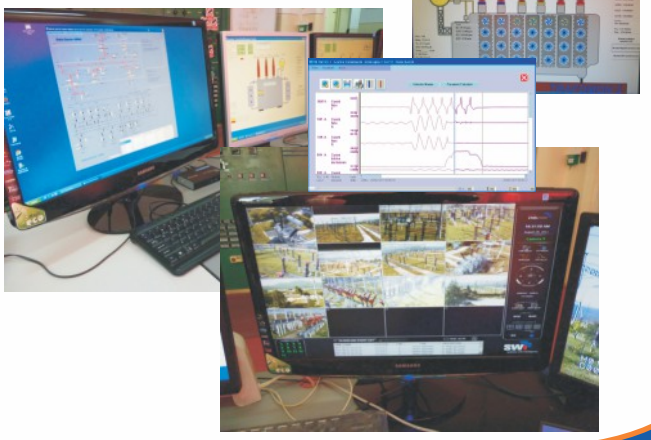
Such an example is the EMCSIT system developed by Nova Industrial S.A. for CNTEE Transelectrica in the 400/110 kV power station Dârste, Braşov during 2010 - 2011, which is the first complex system in Romania, for the on-line monitoring and diagnosis of the technical condition of all the primary equipment existing in a high voltage power substation (and among the first internationally)!

As an example of complexity, the on-line monitoring system of a power substation (installed at Dârste) includes approx. 170 NOVA EMCSIT equipment for on-line monitoring of the technical condition and operating parameters of the 400 kV /110 kV equipment (power transformers, shunt reactors, circuit breakers, disconnectors, current and voltage transformers, surge arresters , etc.).

The existing EMCSIT system is based on the invention "*Method and system for complex high voltage substations on-line monitoring*" having the patent 125932/30.08.2012, that was rewarded with a bronze medal at the *International Exhibition iENA Nuremberg - International Trade Fair Ideas - Inventions - New Products 2012*.

The pilot project at Dârste was a real success, the EMCSIT system being afterwards implemented in two more high-voltage substations managed by CNTEE Transelectrica: Mostiştea and Grădişte.

100% created & made in ROMANIA



www.novaindustrialsa.ro

Our know-how, for your safety!