



# SCADE Suite

A Design Story

## Data Systems & Solutions use SCADE to develop the N4 Reactor Protection System



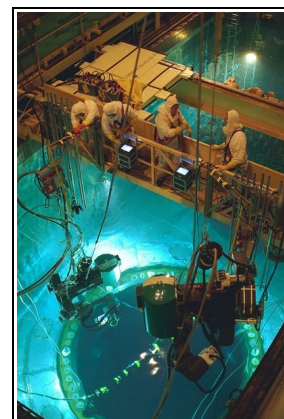
Data Systems  
& Solutions

*“ Energy production  
control by  
Data Systems & Solutions ”*

### Data Systems & Solutions - Nuclear Power Plant Control

In DS&S (former Schneider Electric) and Framatome, teams have more than 15 years of experience in using SCADE approach for the development of instrumentation & control systems for nuclear power plants.

SCADE has been used in particular to develop the **N4 Reactor Protection System** and refurbish the Power Measurement System of Fessenheim and Bugey nuclear power plants, the first 900 megawatts French power nuclear reactors.



200K lines of code were automatically generated from 1 200 design views for the N4 Reactor Protection System, while the ratio of errors remaining for test phases was cut down by a factor of 10. The designers experienced an increased productivity and the reduction of the development time thanks to SCADE.



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