



Technologie

*Dec 2005 Edition*

## Installing examples of APR16 DFR



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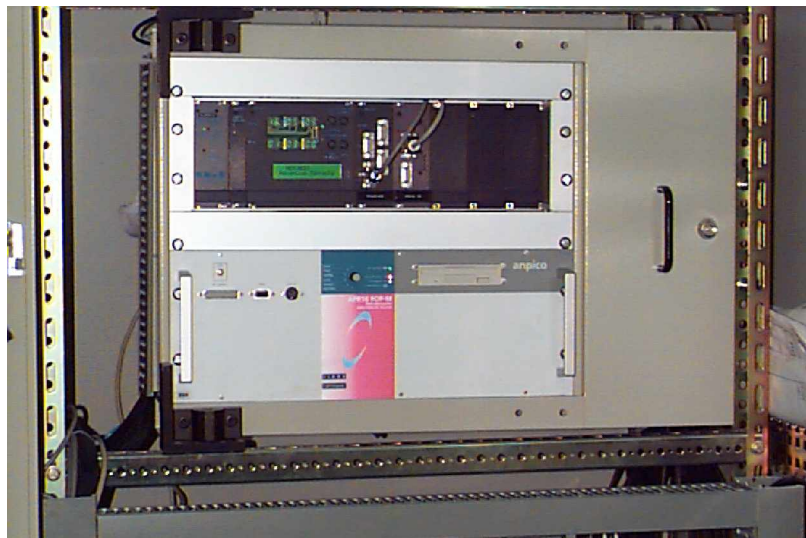
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Email : [contact@dfv.fr](mailto:contact@dfv.fr)  
Web site : [www.dfv.fr](http://www.dfv.fr)

## Standalone Power production unit



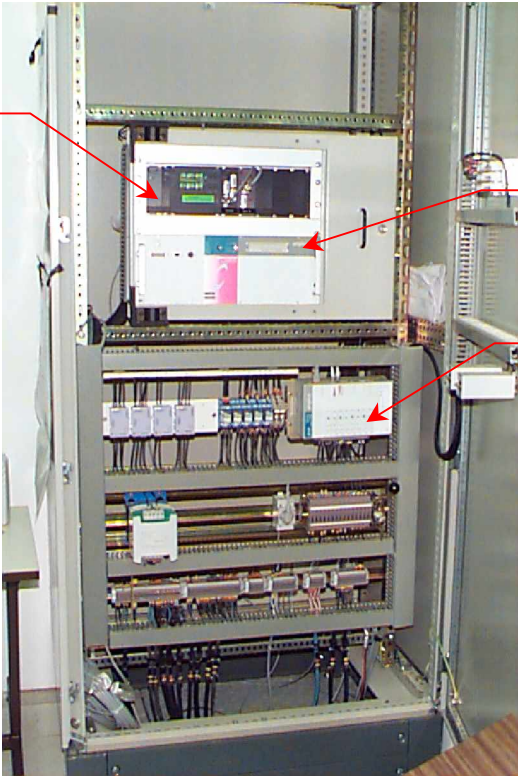


Power plant



DFR APR16

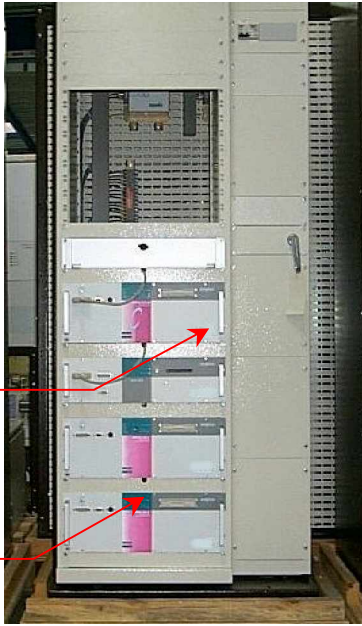
Time receiver



APR16

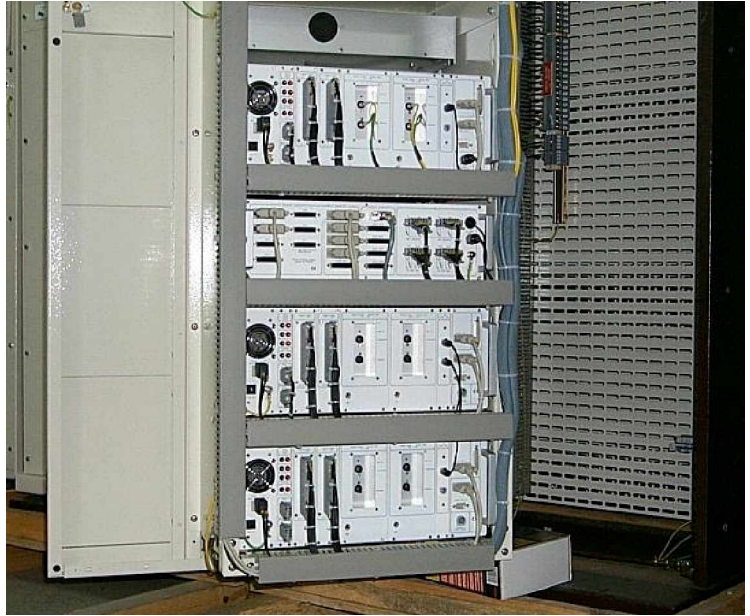
BFOP (Fiber optic module)

**EDF delivery point (AUTUN)**

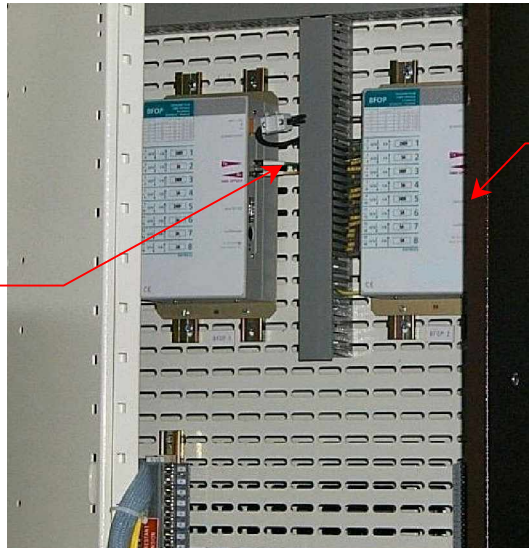


RACKAPR

APR16



BFOP are connected to the DFR with fiber optic link



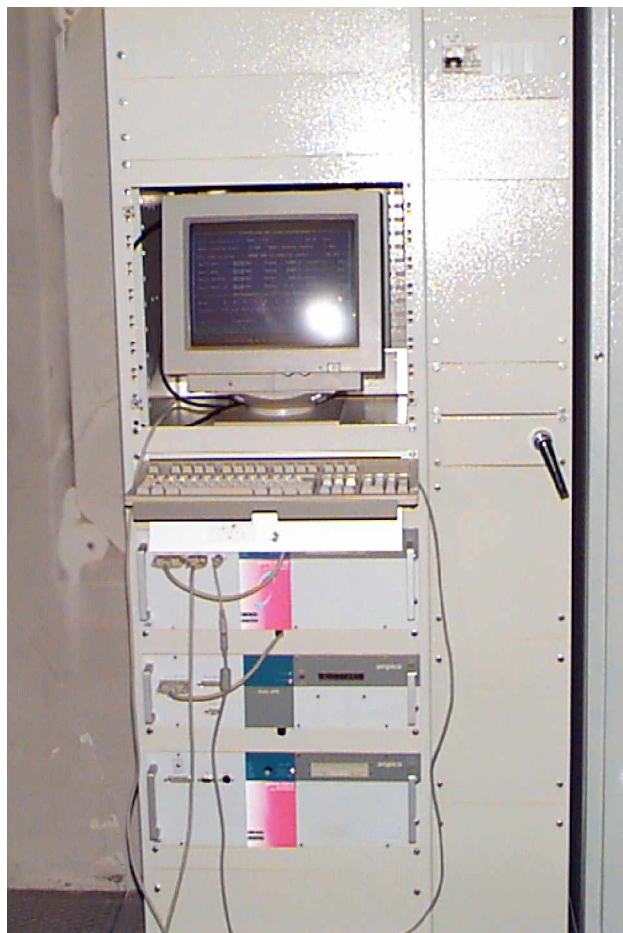
BFOP unit to measure currents and voltages

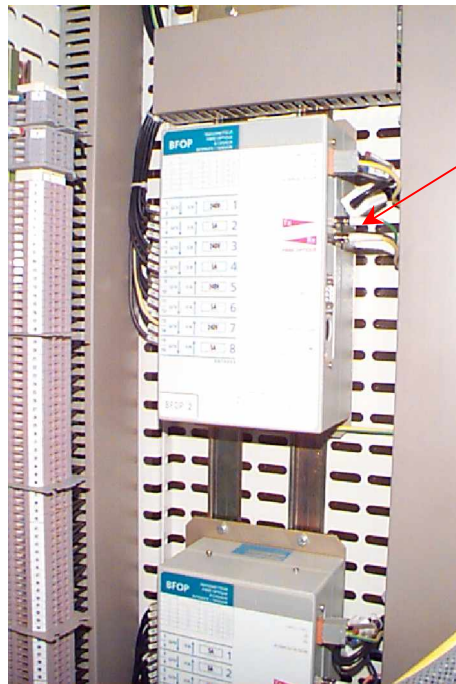
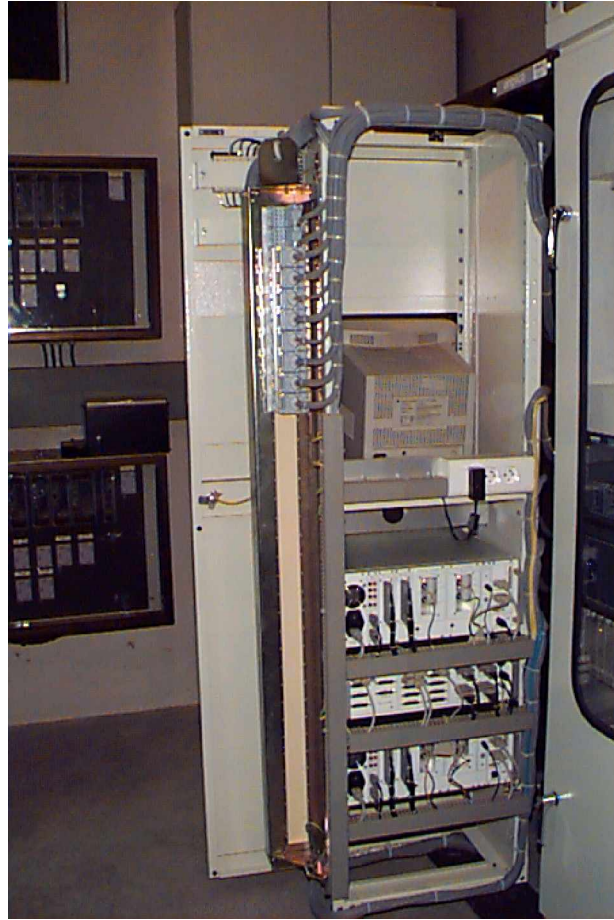


BFOP



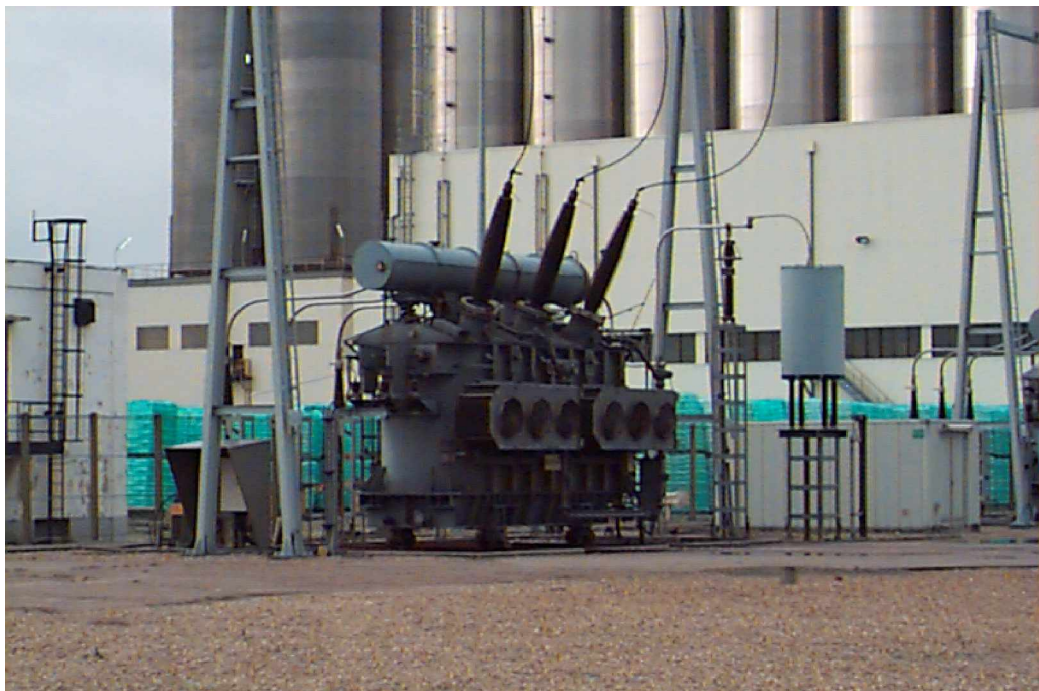
**Delivery point (BONNEVILLE) Private utility**





Measures units are connected with fiber optic link

**TOTAL Petrochemical plant (GONFREVILLE)**



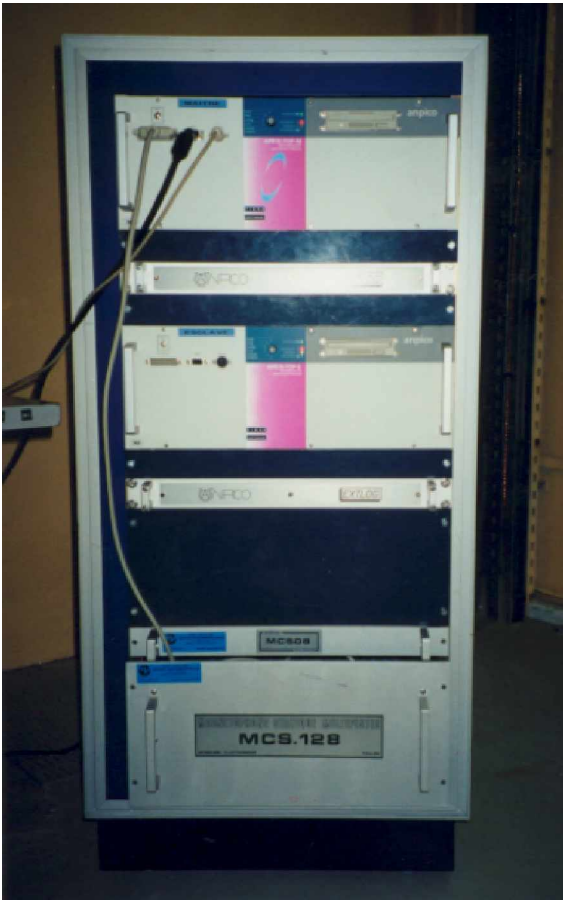


APR16 are used to record the quality of power delivered by EDF (90kV) and Harmonics H59 et H61.

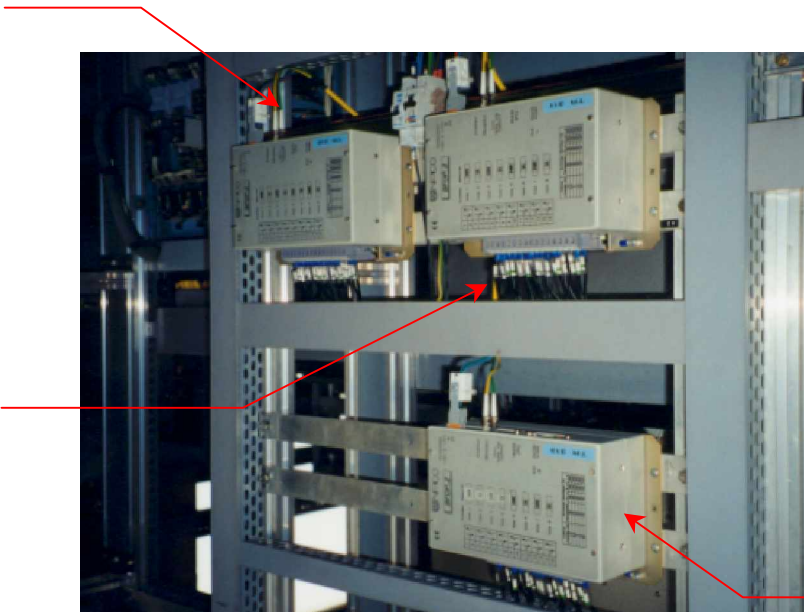
**EDF NANCY**



Rack with 2 APR16



BFOP are connected to APR16 with fiber optic



Connection of voltage and currents circuits (CT et PT)

1 BFOP can mesure up to 8 analog channels (Voltages or currents)

**INDONESIA (PLN) KEMBANGA**



Power transformer exploded

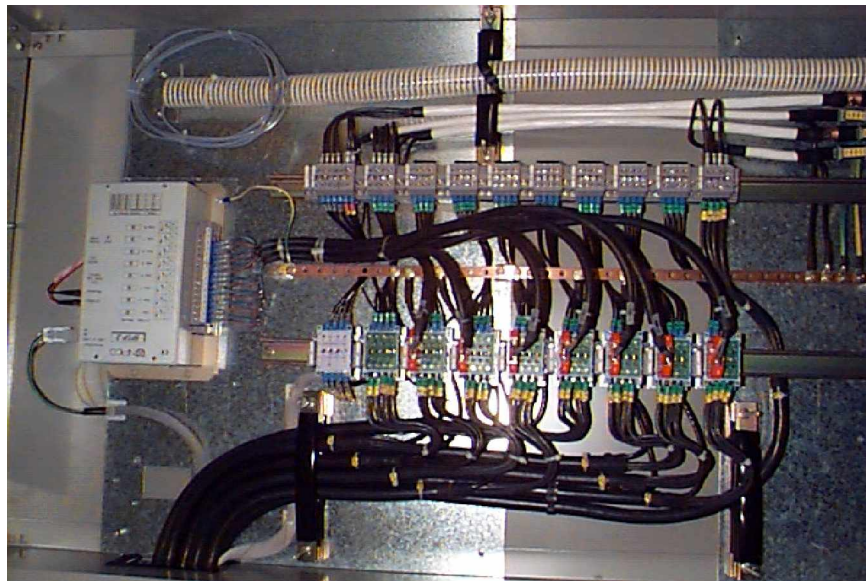


With APR16 unit, customers can find what makes the transformer explode

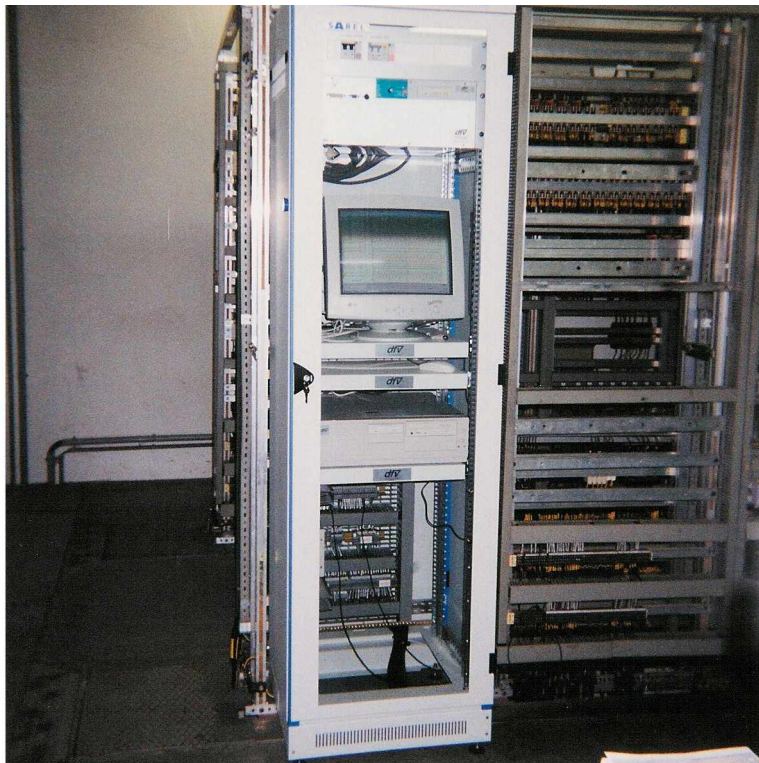


APR16 in control Room

### **BFOP cabling**



## CRR Reichstett (SHELL)



EXXONMOBIL NODRE DAME DE GRAVENCHON (PJ21)



TOTAL raffinery (FEYZIN)

