



Ovation™ Excitation

UNITROL-5000 inlocuire cu Emerson Ovation
Excitation

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Inlocuirea sistemului de control ABB UNITROL-500 cu Excitatie Ovation

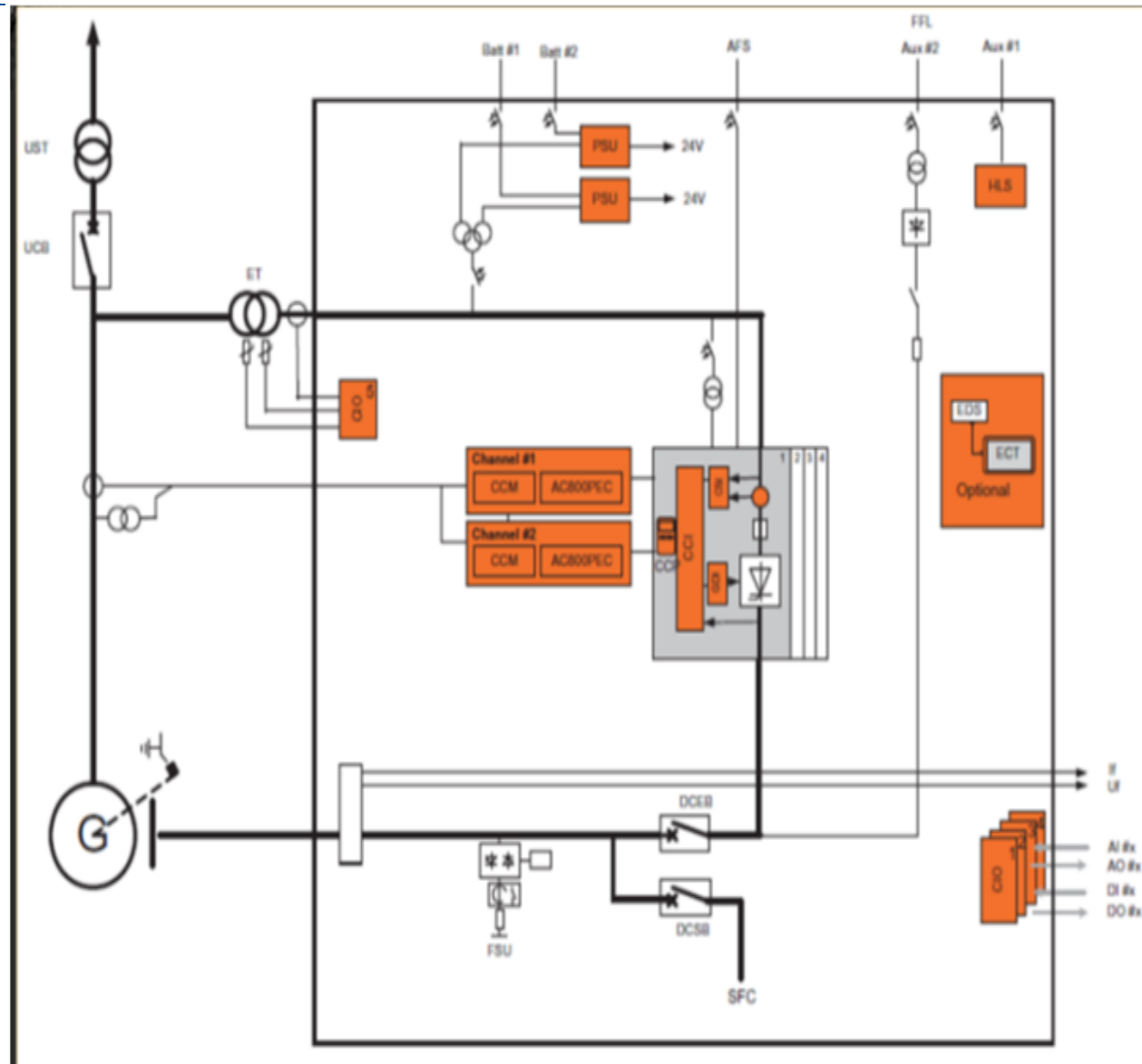
- Client: CET Chişinău
- Locatia: Republica Moldova
- Tipul Centralei: CET
- Tipul excitatiei: Statica
- Tip Controller: UNITROL-5000
- Curent nominal de excitatie: 2200A
- Numarul puntilor de tiristoare: 4
- Tipul Intrerupatorului: DC

Inlocuirea sistemului de control ABB UNITROL-500 cu Excitatie Ovation

Scopul Muncii

- Înlocuirea controlerelor UNITROL-5000
- relee de protecție 50/51, 64F,
- Înlocuirea Crowbar
- Înlocuire electronică auxiliară UNITROL-5000
- Înlocuirea ventilatoarelor de răcire pentru punți cu tiristoare, înlocuirea transformatoarelor auxiliare, îndepărtarea modulelor de comunicare
- Înlocuirea panoului HMI cu panou Ovation Excitation

Inlocuirea sistemului de control ABB UNITROL-500 cu Excitatie Ovation

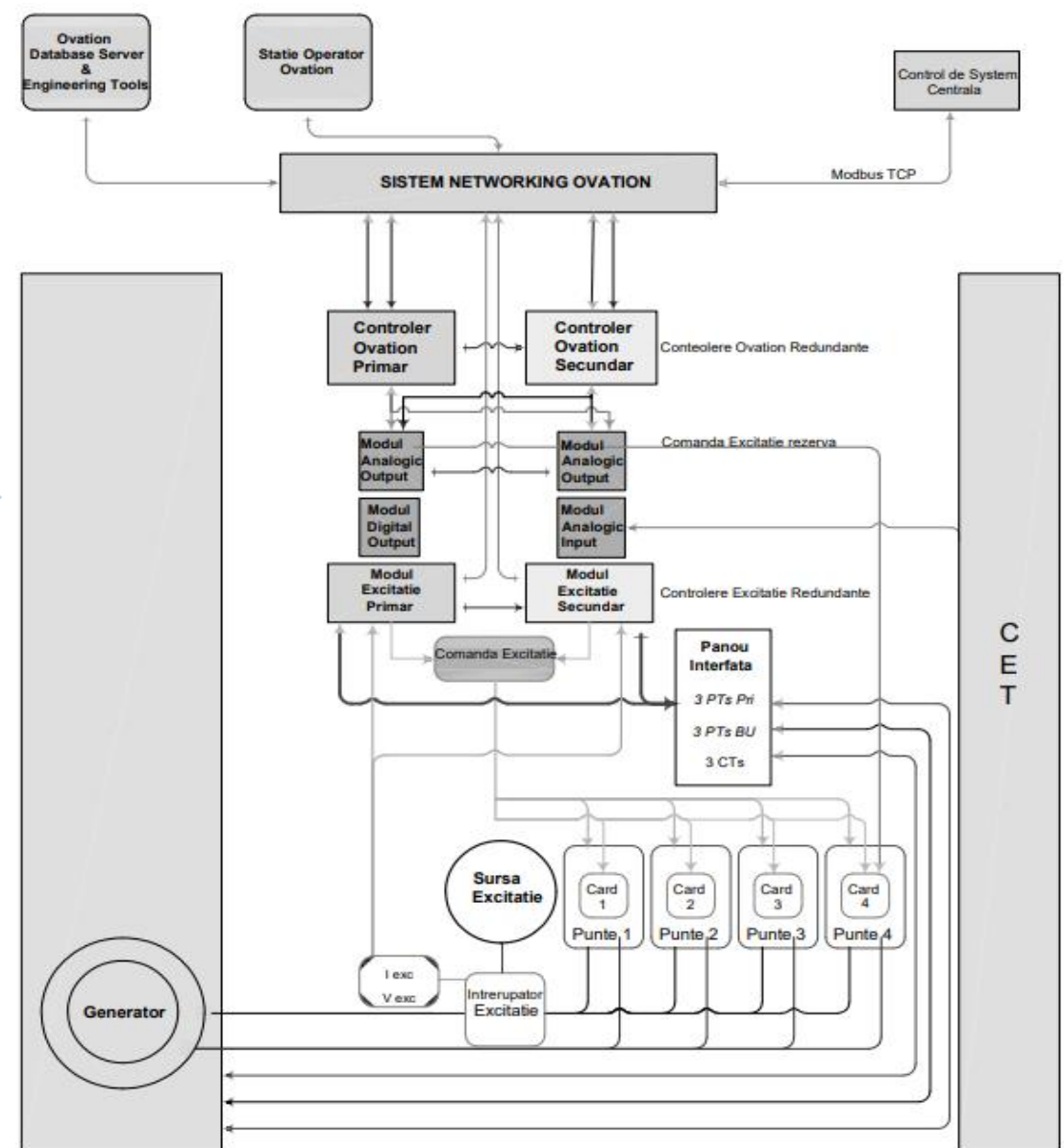


Inainte

ABB PLC,
ABB card,
3rd party communication I/O

Dupa

Controlere Ovation
Carduri Input, Output
Analogice si Digitale
Controler de Excitatie
Emerson
Punti de tirasaore controlate
de SL12
Comunicatie directa Modbus
cu sistemul DCS
PT si CT Emerson pentru
masuratorile de current si
tensiune ale Generatorului



UNITROL-5000 vs Ovation Excitation

Experienta departemntului Emerson Excitation

Westinghouse WMA Mag-a-Stat – 1960s	W191, W251, W501 gas turbines
Westinghouse PRX – 1960s to 1970s	W251, W501, steam turbines
Westinghouse WTA – 1970s to 1980s	Brushless/static main steam turbine
Westinghouse M300 – 1990s	Brushless/static main steam turbine
Westinghouse WDR - 2000	Gas turbines, steam turbines, hydro applications
GE Amplidyne – 1960s to 1970s	GE Frames 5 and 7 gas turbines, steam turbine
GE SCT/PPT – 1960s to 1970s	GE Frames 5 and 7 gas turbine, steam turbine
GE Alterrex – 1980s	Alterrex main steam turbine
GE EX2000 - 2000	GE Frames 7EA and 7FA gas turbines, main steam turbine
ABB Unitrol	Gas turbine, steam turbine, hydro
Toshiba TOSMAP	Gas turbine, static steam turbine-AVR
Alstom	Steam turbine, Gas Turbine, hydro
Siemens Thyripol	Steam turbine

