

Compact Hydro Turkey HTR-EPS

MARCH 2015



CONTENT

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Design

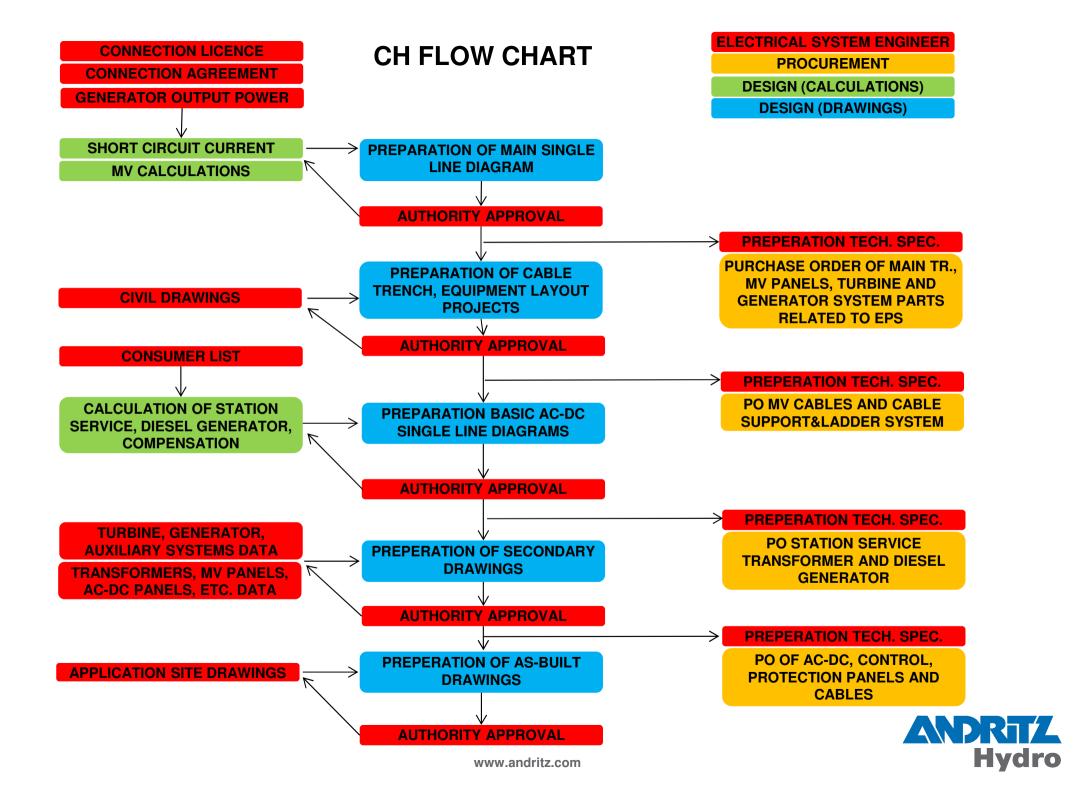
Engineering tools

<u>Services</u>

Capacities & Abilities

References





DRAWING & ENGINEERING PROGRAMS



AUTODESK INVERTOR PRO 20153D Modelling



AUTODESK AUTOCAD 20152D Modelling



AUTODESK NAVISWORKS MANAGE 20153D Render



AUTODESK SHOWCASE 2015 *Presentaion Program*



ETAP Version 12.0.02.2-Com. aided eng. Calculations



EPLAN Electric Version P8 2.2-*Com. aided eng. Panel Desing*



DIALUX Version 4.1.2- Illuminate



DRS-WIN Version 4.19-Protection

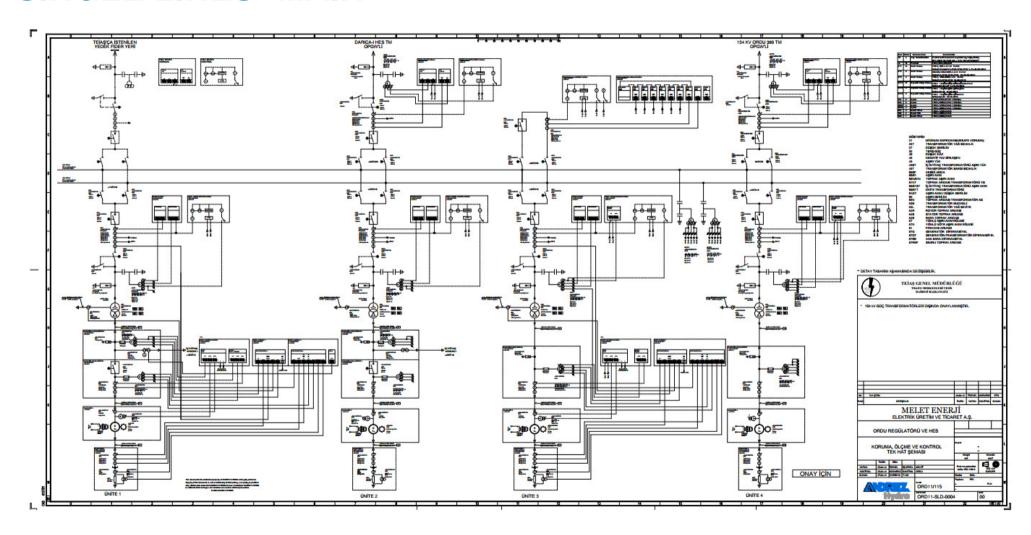


SCALA Version 6.70.08-Scada



DESIGN

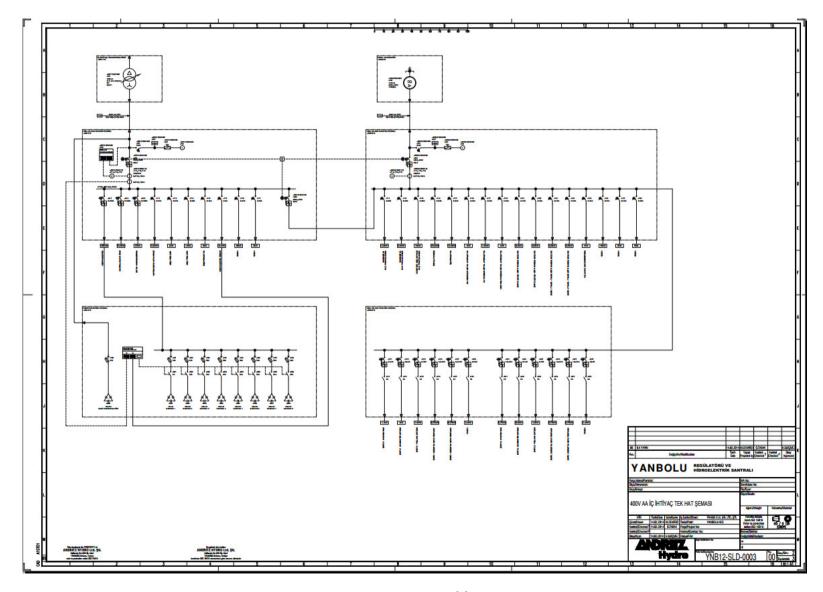
SINGLE LINES - MAIN





DESIGN

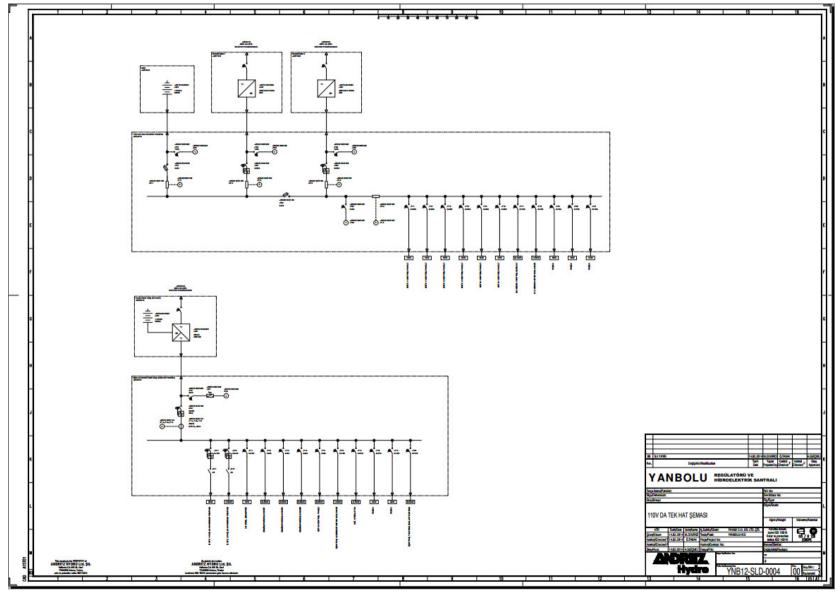
SINGLE LINES-AC DISTRUBITION





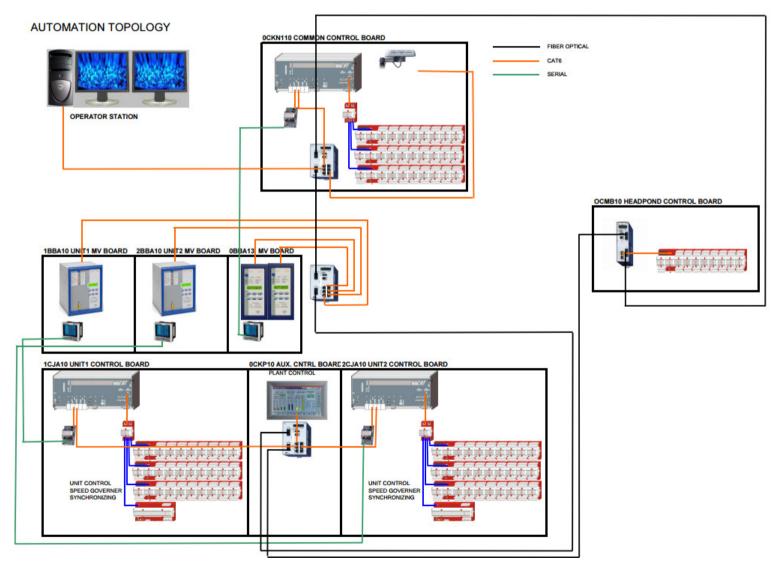
DESIGN

SINGLE LINES-AC DISTRUBITION



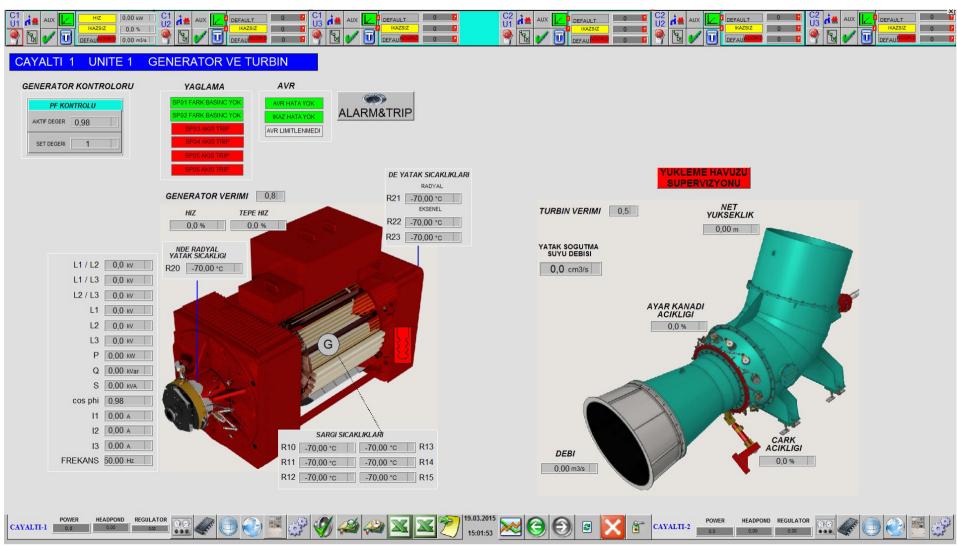


AUTOMATION CONCEPT



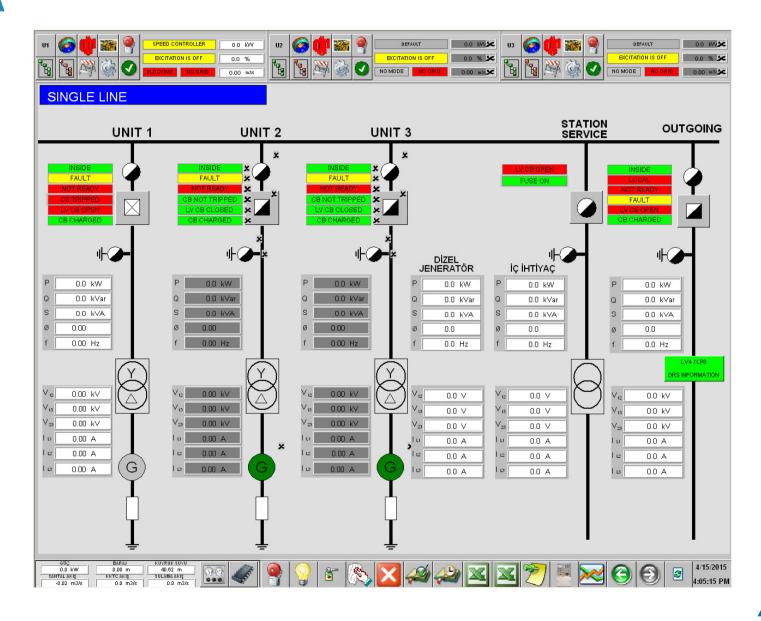


SCADA





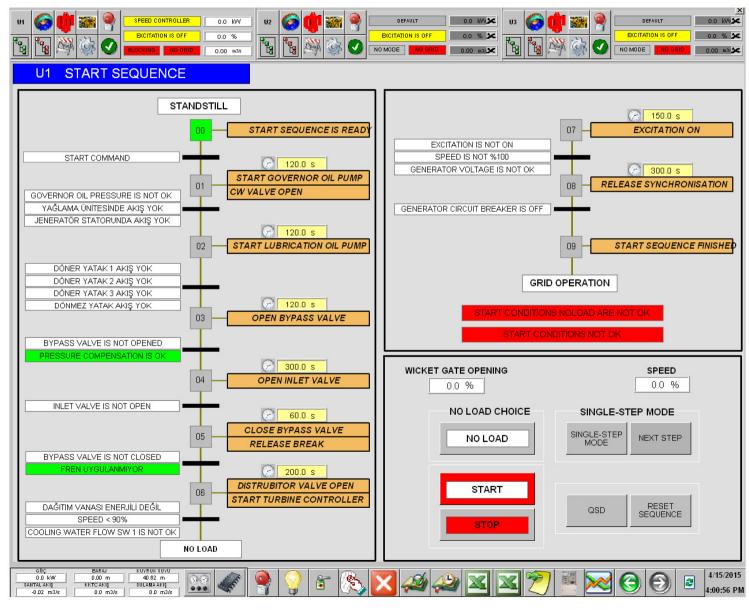
SCADA





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SCADA





ORDU HEPP - POWER PLANT

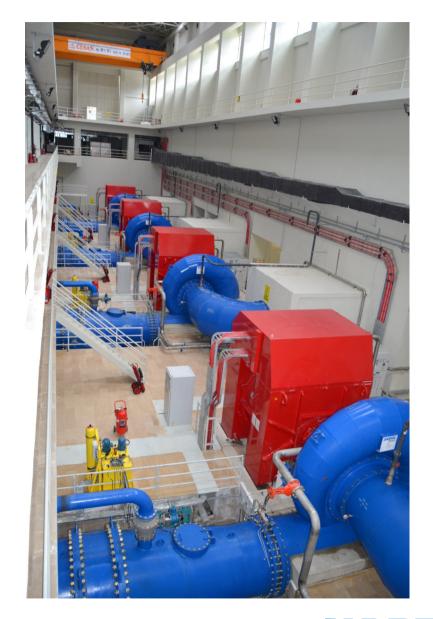
PLANT

■Unit Nominal Voltage: 6.3kV

•Number of Unit: 4

■Total power: 47.9 MW







ORDU HEPP – SWITCHYARD



SWITCHYARD:

Outdoor type:

Nominal Voltage: 154kV
 Highest System Voltage: 170kV
 Short Circuit Current: 31,5kA

•Number of Unit Feeders: 4

•Line Feeders: 2

■Coupler: 1

•Main Busbar Feeders: 2



GÖKGEDİK HEPP – POWER PLANT

PLANT

Unit Nominal Voltage: 6.3kV

•Number of Unit: 3

■Total power: 24.8 MW







AKHMETA HEPP – POWER PLANT *GEORGIA*

<u>PLANT</u>

Unit Nominal Voltage: 6.3kV

•Number of Unit:

■Total power: 9.1 MW







REFERANCES

AYVALI HEPP-SWITCHYARD



SWITCHYARD:

Outdoor type:

Nominal Voltage: 154kV
Highest System Voltage: 170kV
Short Circuit Current: 31,5kA
Number of Unit Feeders: 3
Line Feeders: 2

•Coupler: 1

■Main Busbar Feeders:



DARAN HEPP I&II— POWER PLANT

PLANT

■Unit Nominal Voltage: 10.5kV

•Number of Unit: 4

■Total power: 68.2 MW





