

Quick Tutorial ‘Demo1’

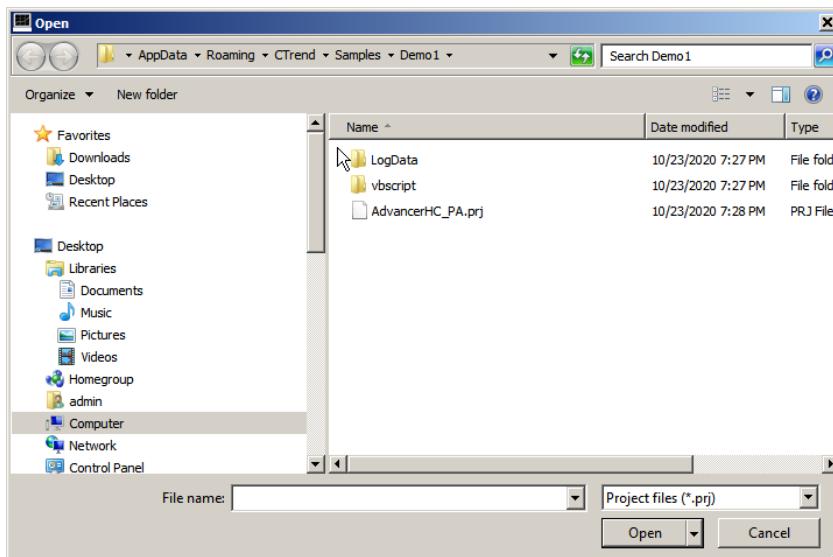
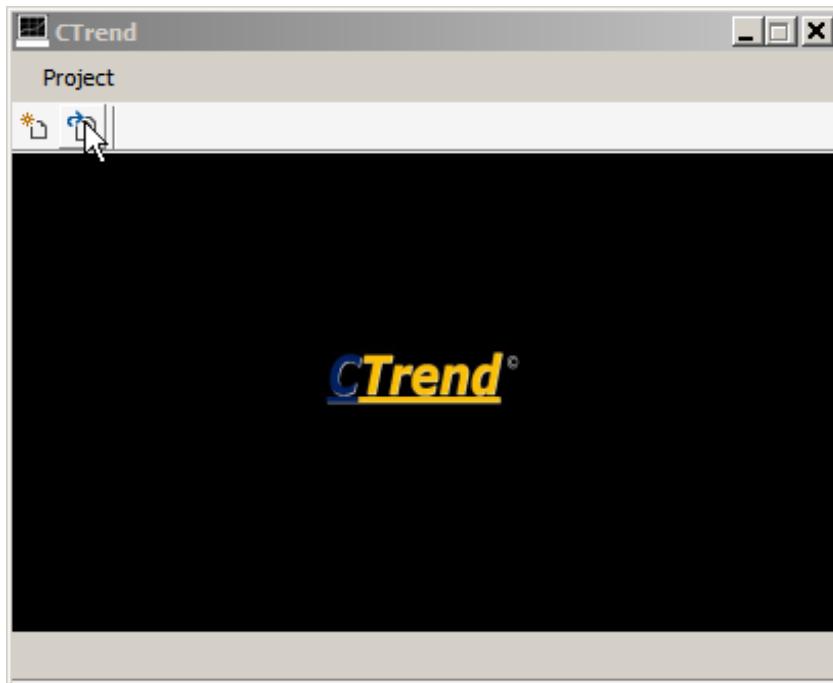
Objective

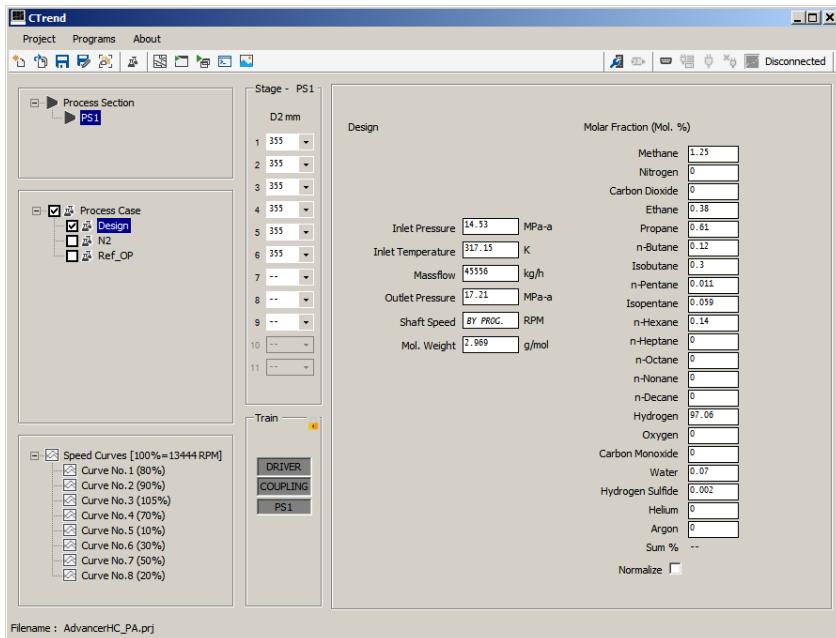
Run a pre-configured sample case for multistage centrifugal compressor performance monitoring.
The analog inputs will be simulated via Modbus simulator tool (Modbus server) and read by CTrend.

Technical Documentation

- Compressor performance curves (expected or as tested)
- Compressor process and mechanical datasheets
- Modbus I/O list
- Flow Measurement Device (FMD) specification (datasheet and transmitters calibration ranges)

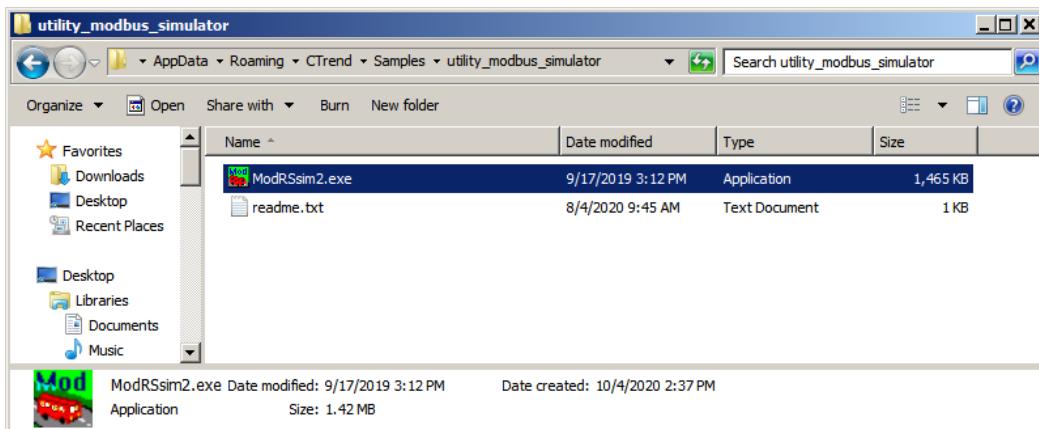
- Launch CTrend Software
- Open project “AdvancerHC_PA.prj” in sample folder ‘CTrend\Samples\Demo1



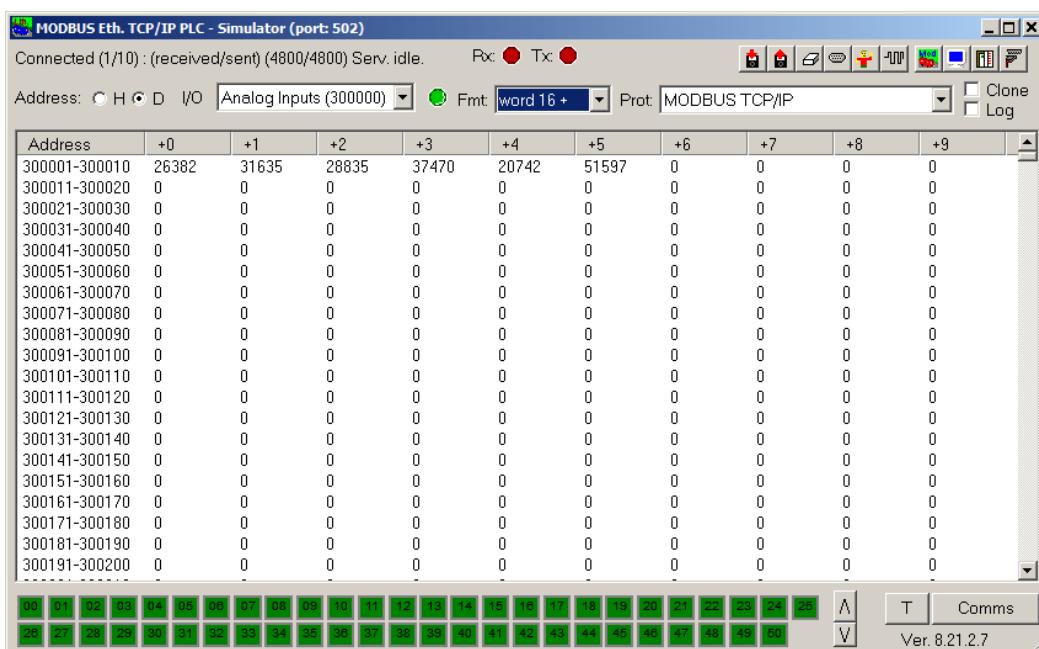


Filename : AdvancedHC_PA.prj

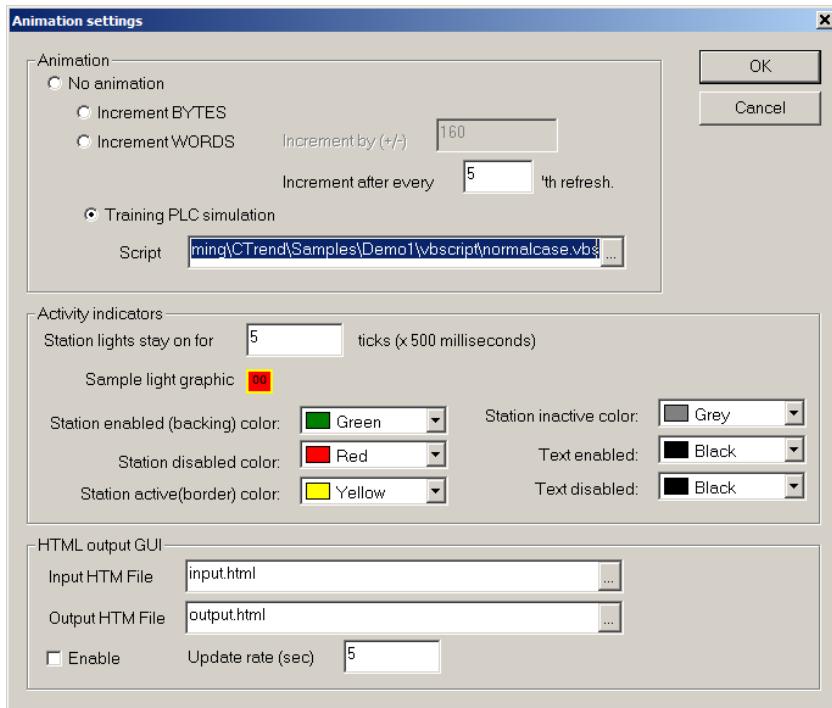
- In folder: 'CTrend\Samples\utility_modbus_simulator' run the file 'ModRSsim2.exe' (Modbus Server)



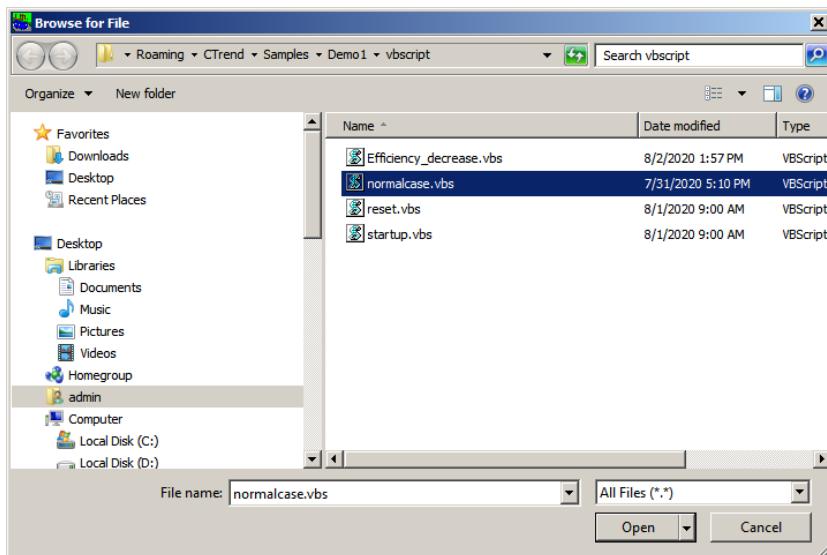
- Select 'Analog Inputs' for I/O, 'word 16+' for format and select 'Modbus TCP/IP' for protocol



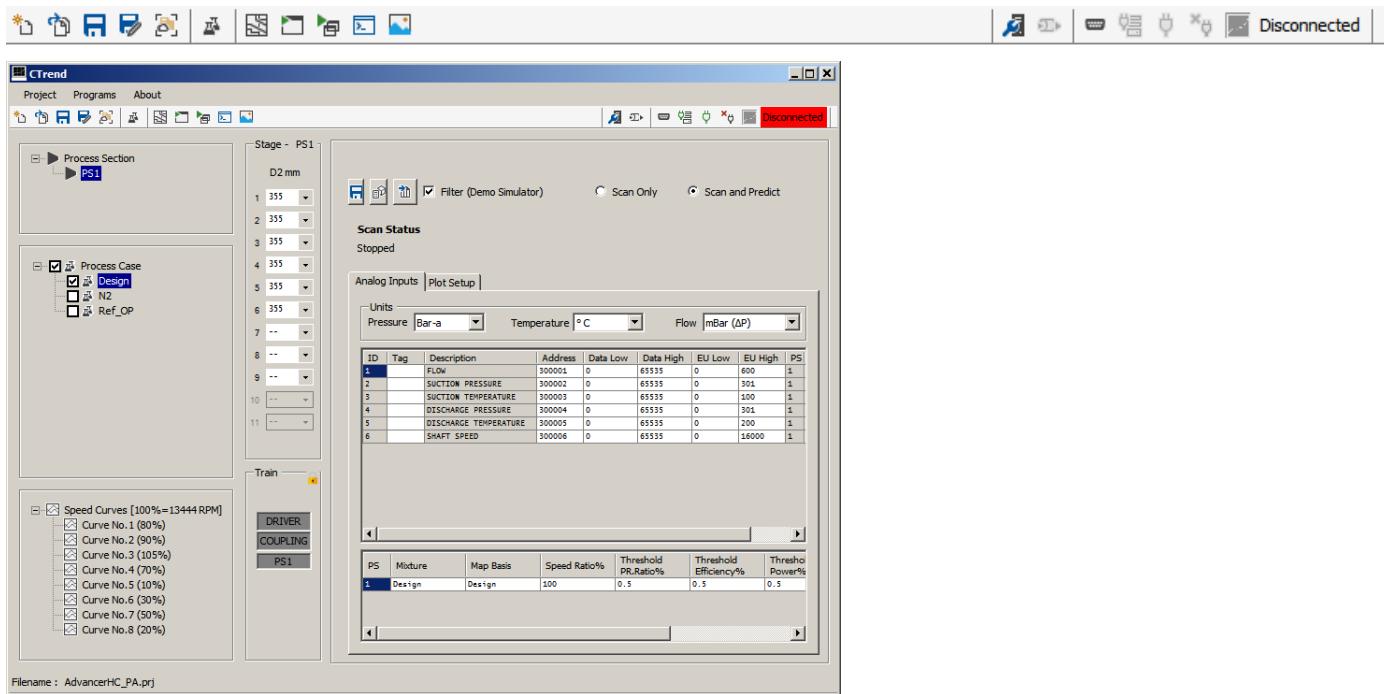
- Click on animation settings button 



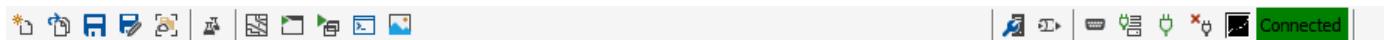
- Check 'Training PLC simulation' radio button and select script in 'CTrend\Samples\Demo1\vbscript\normalcase.vbs'



- In CTrend software click on 'Trend Analysis' button 



- Click on 'Connect to Server' button 



- Click on 'Scan' button  then confirm the message box

