

Climatic Test Chamber Control

A key strategic partner to the international automobile industry is a specialist in the areas of automotive air conditioning and engine cooling systems. They are one of the world's leading manufacturers and suppliers of original equipment for passenger and commercial vehicles.

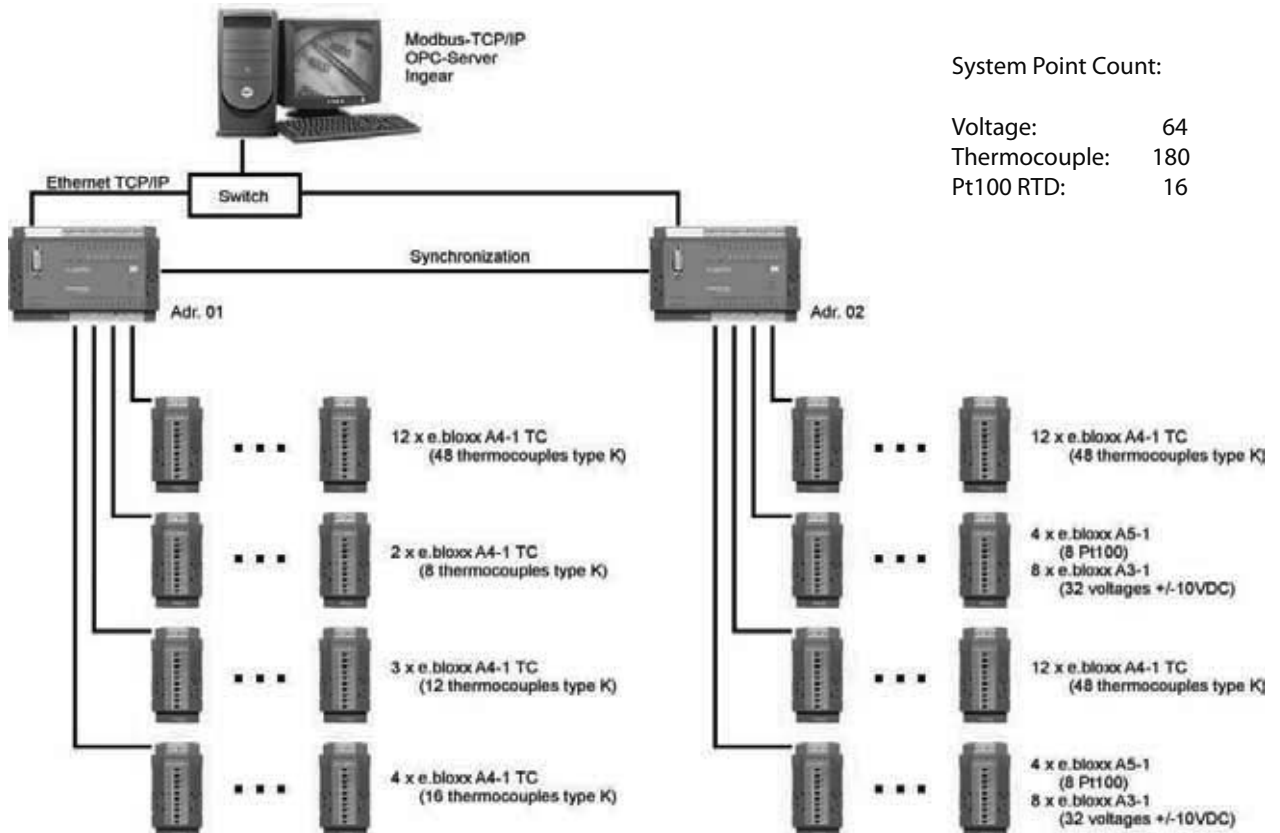
They are unitizing the e.bloxx series of IO modules and data concentrators for the precision measurements required in their highly accurate climatic test chambers.

Every test cell has one data server for data collection and control. Depending on the size of the test bed, one or more e.gates (data concentrators) are connected via Ethernet. The communication between the control PC and the e.gates is via Modbus TCP/IP, and integration to the host application software is via an OPC server.

This configuration allows the test staff to have access to any test cell from any control PC (over Ethernet). To allow seamless integration to the test cell software, a special data format was created that allows data to be read by the OPC server, so that the set up of the system is handled automatically.



Typical System Configuration:



System Point Count:

Voltage:	64
Thermocouple:	180
Pt100 RTD:	16