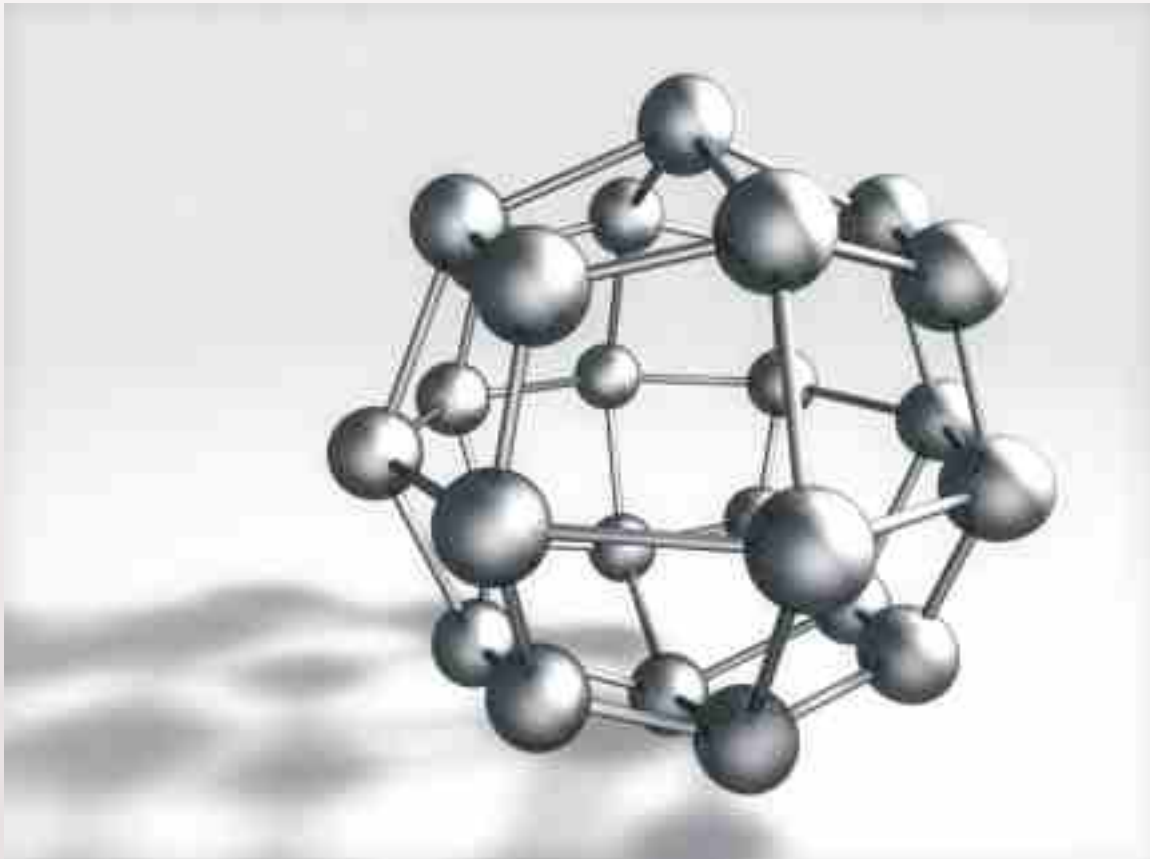




Success Story
Industry Segment: **Nuclear**

Chiller with Dual Heat Transfer



The Customer

The customer is an established atomic energy research organization, having truly state-of-the-art technologies with ambitious research objectives.

The Application:

Control of 2-stage compressors with a set of valves

"FCS meshed well at all levels to understand our needs, our urgency and the parameters within which the solution had to be delivered."

The Solution:

The solution consists of:

- Micro PLC for digital logic control
- Distributed Advantys I/Os for temperature sensors
- Local touchscreen HMI
- PLC provided with Ethernet connectivity for interfacing with PC/SCADA
- Complete control panel comprising of controls for the compressor motors and various other solenoids
- Advantys I/Os connected on CANBUS

The Challenge:

The entire system was being made for the first time in the country and delivered to the customer through the OEM (Voltas). Working in a remote terrain and interfacing with multiple agencies in a area of high security, was a challenge of a different kind, where technology and management skills were put under high pressure.

The Benefits:

- Cost effective solution provided to the customer, and thus precious foreign exchange was saved to a area of high priority
- Spares for future needs are now easily manageable, since no imports are necessary
- Although it is first of kind, any future upgradation should be easy to achieve, since the solution and the hardware were such that they are scalable as needs increase over time

We also offer the following:

- **Soft Starters**
- **Variable Speed Drives (VFD)**
- **Switch Mode Power Supplies (SMPS)**
- **Pressure Switches**
- **LCD Touchscreen Displays**
- **PLC and SCADA Software**
- **Complete Application Solutions**
- **Control Panels**

For more information on any or all of these products, or to speak to our technical representatives regarding your specific application, please call or write to us at the address given below.