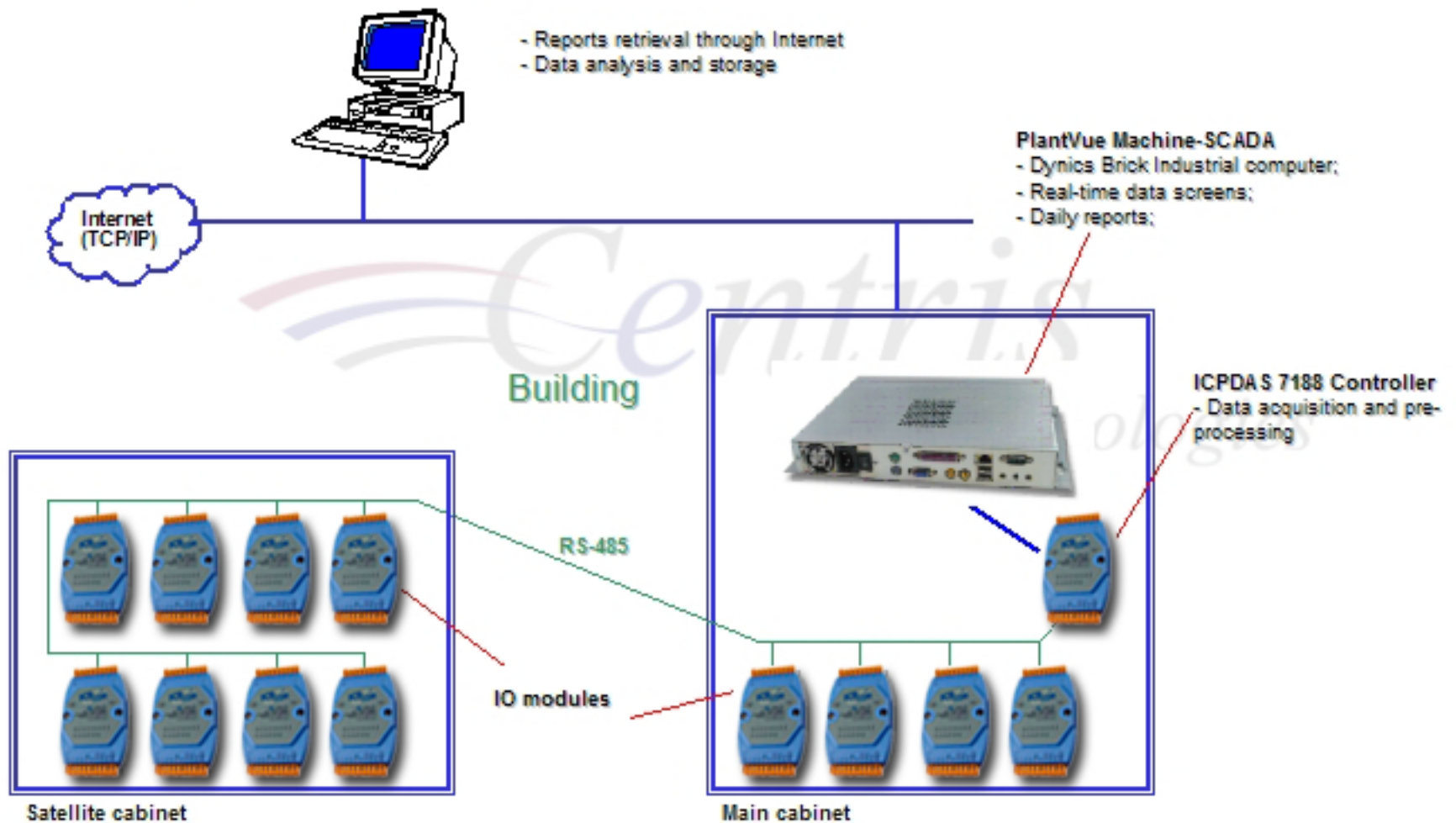


## Remote monitoring Centre



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### Summary description:

This municipal customer is interested in monitoring one of its building regarding energy efficiency. In this case, a curling arena in the greater Montreal Area. The precise need is similar to another project Centris did, and is to monitor all operational parameters of the arena, to get a detailed energy consumption profile of the building, so that precise energy management can occur - saving money.

### Specific challenges:

To get an accurate energy profile, all parameters affecting the energy consumption of the building must be monitored in real-time, and archived for later analysis. For example, outside air temperature and humidity, inside air conditions, compressor power consumption, coolant temperatures and such must be monitored. The low cost was the most important issue facing this customer.

The solution Centris Technologies implemented in this building used ISaGRAF, installed on an ICPDAS 7188 data acquisition controller. This controller reads signals from the various instruments, located all over the building. Then, running on an industrial computer chassis, a PlantVue SCADA station scans in real-time the controller and generates daily reports.

### Specifications:

- Acquisition at 1 min interval;
- About 75I/O hooked up to a 7188 controller and remote I/O;
- 1 local PlantVue station in the building to generate daily reports;
- OPC connectivity between the 7188 controller and PlantVue SCADA system