

# Centillion – manufacturing and office building

## Building Management System

- 2300 Data Points
- Heat-cooling center; LON integration of Heat pump water/air, Modbus integration of Heat pump water/water and connection to geothermal installation.
- MBus integration of heat and cool meters;
- 8 AHU's – central control
- LON integration of 140 (FFU) Fan Filter Unit for Clean rooms
- Modbus integration of 3 injection pumps to geothermal heat pump installation.
- ModBus integration of 8 flow meters, power meters, electrical meters.
- Lighting automation.

## Project details

### Duration

2013

### Scope of activities

- Supply and installation of:
  - Field Equipment (sensors, valves, etc.)
  - DDC controllers and modules
  - BACS operation station
- DDC & WEB server software, start up & commissioning, end user training and documentation
- MCC panels design, production, installation, start up and documentation

