

South Ring Mall, Sofia

Building Management System

Building Management System

- 4500 Physical Data Points
- 2500 Integration Data Points
- 11 AHU's – fresh air for tenants
- 20 AHU's – for air conditioning of public area
- Control and monitoring of cooling and heating center with 3 water to water heat pumps and 3 boilers
- Control and monitoring of overpressure ventilation and smoke exhaust ventilation for public area and shops
- Monitoring of gas detection system (CO) and control of smoke exhaust ventilation for garage
- Control and monitoring of local extract ventilation for restaurants, toilets and technical rooms
- Monitoring of gas detection system (freon) and control of exhaust ventilation for chiller plant room
- Lighting automation
- ModBus integration of energy meters, multimeters and chillers
- Mbus integration of heat and cold meters
- Reading of impulse water and gas meters
- Monitoring of circuit breakers in low voltage panels and main distribution panels
- Monitoring of diesel generators, lifts and escalators
- Monitoring of drain, drill, sewage, sprinkler and hydrant pump
- Monitoring of waste water treatment plant

Project details

Duration

2012 - 2014

Scope of activities

- Supply and installation of
 - Field Equipment
 - DDC controllers and modules,
 - BACS operation station,
- DDC & BACS software, start up & commissioning, end user training and documentation
- MCC panels design, production, installation, start up and documentation
- Creating automatic reports from all measuring devices (water meters, energy meters, heat meters, cold meters and gas meters)

