

Unipharm, Sofia

Building Management System

Building Management System

- 600 Physical Data Points
- 11 AHU's – for air conditioning of tablet departments and microbiology
- Control and monitoring of heating center
- Control and monitoring of cooling center with 2 chillers
- Control and monitoring of heating center with hot steam – produce heating to machines
- Control and monitoring of local extract ventilation for toilets and technical rooms
- Control and monitoring of microclimate in clean rooms
- Control and monitoring of pressure in clean rooms
- Creating of trend for record the parameters of the microclimate in the medicines manufacture

Qualification of BMS system according GMP requirement:
DQ - SOFTWARE DESIGN SPECIFICATION;
IQ - HARDWARE & SOFTWARE TESTING;
OQ - HARDWARE & SOFTWARE TESTING.

Project details

Duration

2010 - 2016

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 of classified documentation according to GMP

