ABOUT CONSORTIUM

The consortium "RUBIN-AUTOMATION" consolidates professional experience of key specialists in the field of automated control systems.

INVESTIGATION

DESIGNING AND INSTALLATION

MONITORING UTILITIES

UTILITIES

SCIENCE AND EXPERTISE

TRAINING AND PROFESSIONAL DEVELOPMENT

SCIENTIFIC-INDUSTRIAL ENTERPRISE
«RUBIN»

a pool of scientists, experts, designers, practical engineers, highly skilled workers as well as specialists in various fields of expertise connected with issues of providing effective control over automation objects.

SCIENTIFIC PRODUCTION COMPANY
KRUG

An engineering centre engaged in a wide range of projects and services from making draft proposals, designing and coordinating the project appraisal to actualizing and maintaining automated systems.

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RUBIN...
A U T O M A T I O N

CONSORTIUM RUBIN-AUTOMATION

Professional solutions – basis for development!

AUTOMATED SYSTEM OF TEMPERATURE AND HUMIDITY MONITORING IN BUILDINGS

Automation objects

- Industrial and commercial storage premises, industrial buildings where optimal temperature and relative air humidity shall be observed, commercial buildings, archives, museums, libraries, etc.

Goals of introduction

- Control of temperature-humidity modes of building premises.

System functions

- Collecting and processing on-line information from temperature and humidity sensors. The values from the sensors come to the controller, are preprocessed and go further to the operator's AWS.
- Displaying on-line information in the form of mnemonic diagrams, trends (charts) on AWS monitors according to the users' access rights.
- Logging system events.
- Setting predetermined values (emergency and warning limits) of temperature and humidity for each sensor in real time.
- Control of inquiry of each sensor in real time.
- Warning on failures (process signaling).
- Diagnostics of validity of received information.
- Archiving parameters history.

System features

- Presenting the operating personnel with timely and quality information on the building temperature-humidity mode linked to the real building lay-out.
- An option of scaling and building-up the system composite function, by Customer's efforts among other things.
- Minimizing costs on performing engineering work by the Customer (only the project adjustment is required).
- Modularity of arrangement and scaling allow building-up and expanding the system step-by-step up to a full-fledged ACS of the building life support.

Components

- Temperature and humidity sensors (thermohygrometers) C2000-BT.
- Control cabinets with controllers C2000-КДЛ-Modbus.
- Operators' automated workstations based on SCADA KRUG-2000® functionally combined with an archive server.