

Customer Portal

The Customer Portal is a unique service, which is only available in the TTC TELEPORT data centers. It gives the customer an access to the data center's monitoring system, which enables him to get a full overview of the provided Rackhousing service performance. The operational data can be displayed in the form of a chart, a table or a data view of the data rooms, cabinets/racks, equipment groups or data center technologies. The Portal also includes a logic model of all data center components and charts of all measurable values (temperatures, electricity meters etc.). Up to tens of thousands of values can be made available to the customer.

AIR CONDITIONING

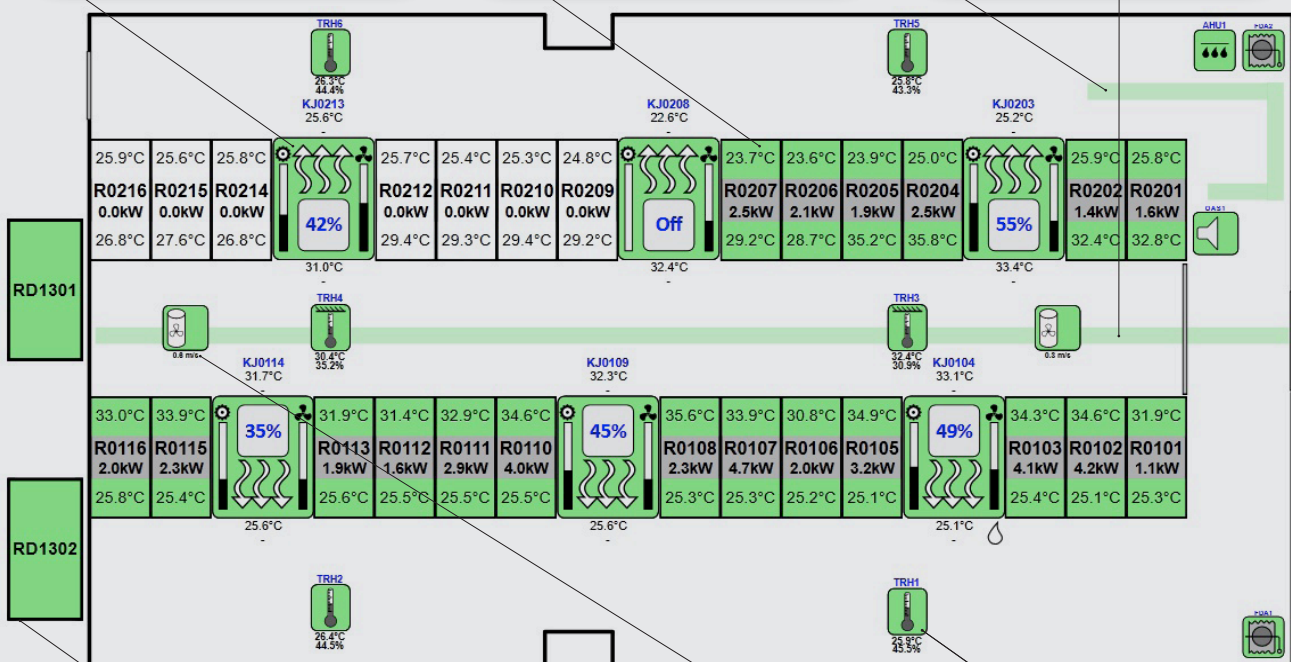
Reading operational values of cooling units (performance, temperature etc.).

CUSTOMER RACKS

The status data from the racks is displayed (hot and cold zone temperatures, current power consumption, the door status etc.).

AREA FLOOD DETECTION

Any liquid in the data room is detected.



ELECTRICAL SWITCHBOARDS

The current consumption of electric energy is measured, the breakers are monitored (ON/OFF, overloaded etc.) on each electrical supply to the rack.

ANEMOMETER

Sufficient pressure (airflow) between the hot and cold zones is checked.

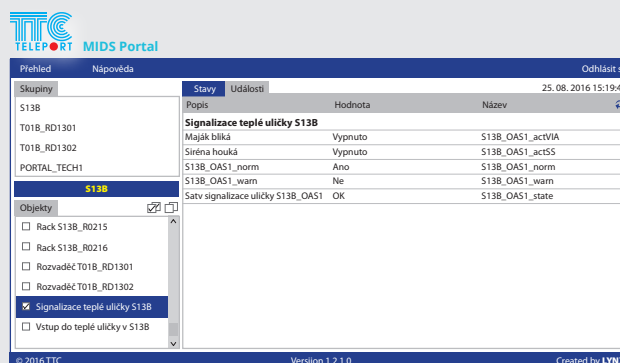
TEMPERATURE AND HUMIDITY SENSORS

Temperature and humidity are measured by the calibrated reference sensors. The values are compared online with the model as per the ASHRAE TC 9.9 2011 Thermal Guidelines for Data Processing Environments.

Customer Portal

The Customer Portal service is available in three basic variants. Customers may select an option of the service according to their current needs.

1) Table Portal – operational data is provided in the form of a table. After you log into the application, you can select Groups in the left part of the Customer Portal, such as data rooms, electrical switchboards, data room technologies etc. Customers can also set up their users and make only specific signals visible to them in the tables or in the customer's internal management system (data is sent through the SOAP interface).



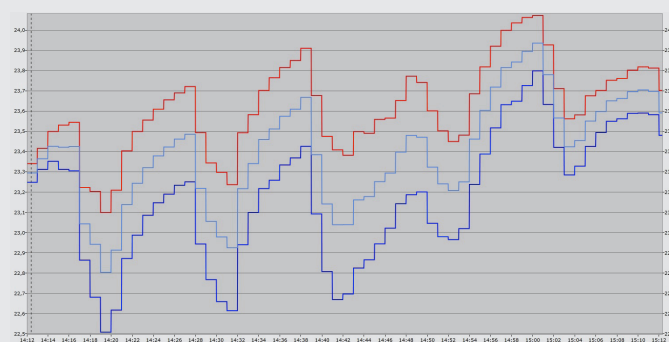
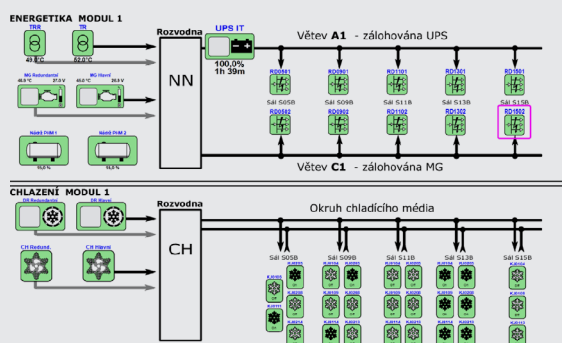
Skupiny	Stavy	Události	Název
S13B			
T01B_RD1301			
T01B_RD1302			
PORTAL_TECH1			
S13B			
Objekty			
<input type="checkbox"/> Rack S13B_R0215			
<input type="checkbox"/> Rack S13B_R0216			
<input type="checkbox"/> Rozvaděč T01B_RD1301			
<input type="checkbox"/> Rozvaděč T01B_RD1302			
<input checked="" type="checkbox"/> Signálizace teplé uličky S13B			
<input type="checkbox"/> Výstup do teplé uličky v S13B			

Popis	Hodnota	Název
Signálizace teplé uličky S13B		
Maják bílá	Vypnuto	S13B_OAS1_actVIA
Sířena houkává	Vypnuto	S13B_OAS1_actSS
S13B_OAS1_norm	Ano	S13B_OAS1_norm
S13B_OAS1_warn	Ne	S13B_OAS1_warn
Satv signalizace uličky S13B_OAS1	OK	S13B_OAS1_state

2) Graphical Portal – this is an extended version of the portal with a graphical interface available through a Web browser (such as MS Internet Explorer or Mozilla Firefox). The Graphical Portal can display online operational data in the form of a graphical view of the data rooms, equipment groups, technologies and a logic model of behavior of each data center component. The system can also generate charts that can be displayed according to required time scale.

In order to run the graphical customer portal in the Windows or Linux OS, the Silverlight plugin or the Moonlight plugin is required, respectively.

A DEMO version is available at <http://www.ttc-teleport.cz/demo-portalu/>



After you log into the application, there will be tabs of the screens of individual technological assemblies in the top left part of the screen, while the module of the online or off-line charts will be available in the upper right part of the screen.

3) SOAP – this is a module for the online data transfer from the TTC TELEPORT's monitoring system to the customer's management software. The data from each data center technology assembly is displayed in the customer's internal monitoring system.