

# MIDS

## MONITORING INFORMATION DISPLAY SYSTEM

Product datasheet

The logo for LYNX, featuring the word "LYNX" in a stylized, blue, handwritten-style font with a registered trademark symbol (®) to the upper right.

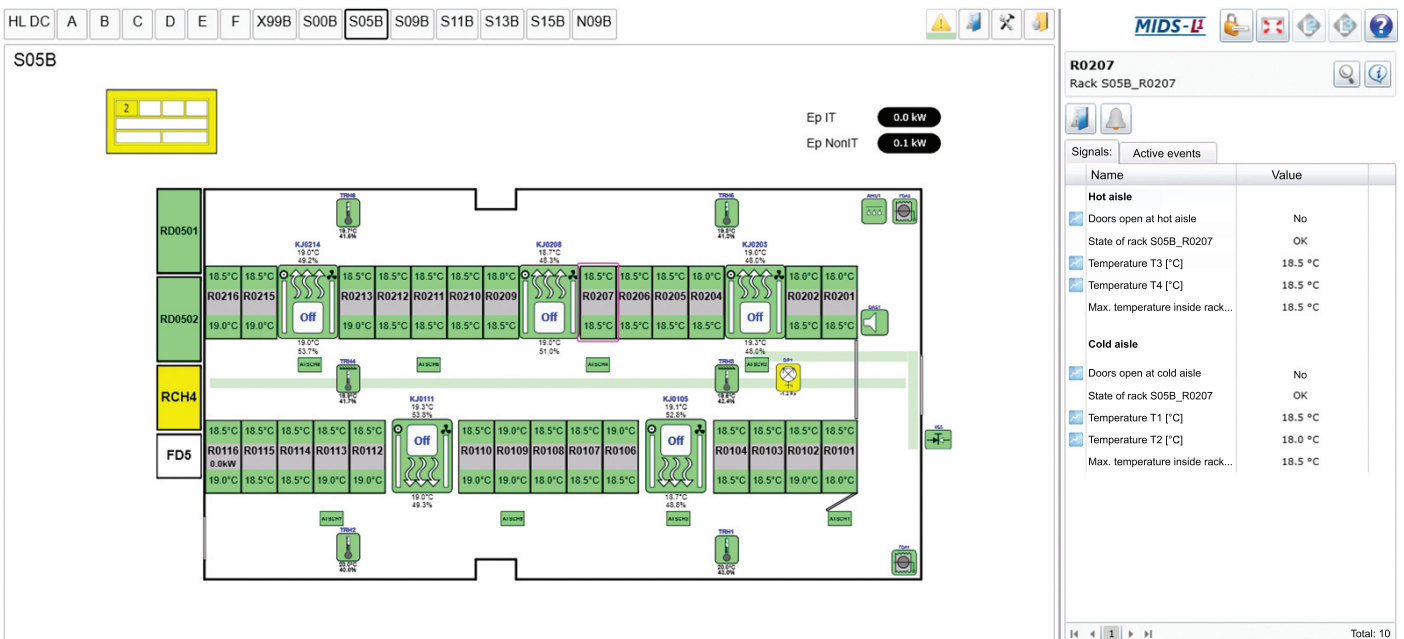


MIDS - as a unique information system monitors a wide range of non-IT devices for the environment, with the ability to provide immediate information about the status for the operating staff. The system alerts the operator to various conditions and events, thus enabling:

- prevention of critical states and its negative impacts
- promptly responding to occurrence of an event
- eliminate emergency situations (flooding, fire, high temperature in the area, etc.)
- to analyze the events in the environment

**The system further allows:**

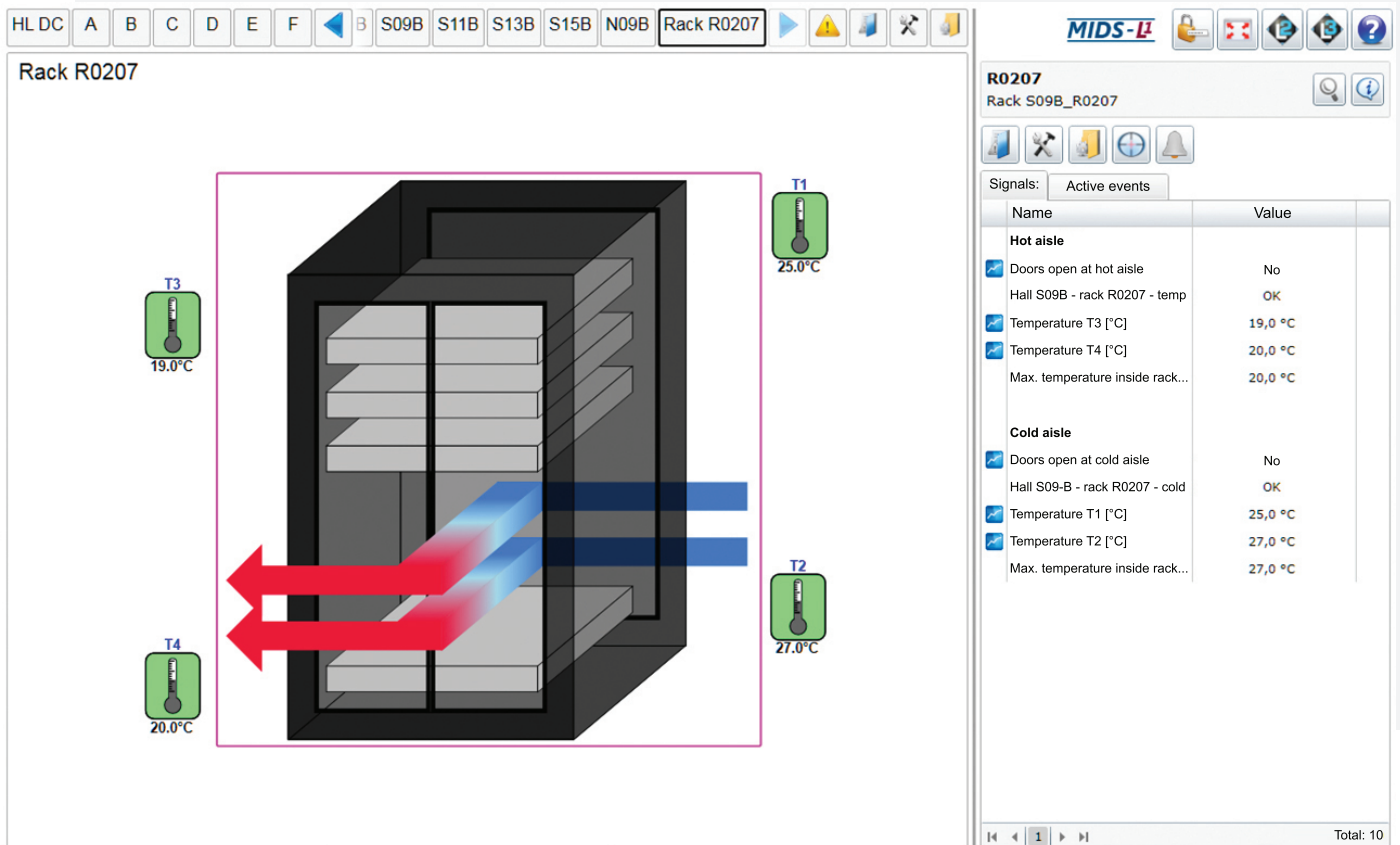
- view historical values of the devices and compare them
- use the stored measurement data in the purpose of creating reports for managers
- monitor and optimize the deployment and configuration of devices based on the information from monitoring
- provide information to customers about the monitored area



**The use of the MIDS**

**The system is applicable and configurable for monitoring:**

- various industrial and other operations
- data centers (include providing datahousing services)
- various specific operations according to customer needs and rules (hospitals, airports, etc.)



## Benefits of MIDS

- up to date overview of the monitored area
- data collection and processing
- immediate evaluation of the logical connections of measured quantities
- user interface with vector processing
- high availability solution at all levels of the monitoring process
- the OPC standard support in the context of a system interoperability
- custom reporting - design and selection of measurement data

## Working with system MIDS is:

- intuitive and easy
- oriented to the needs of users
- transparent

Implementing and system settings is carried out by our trained staff.

**The system comprises several modules:**

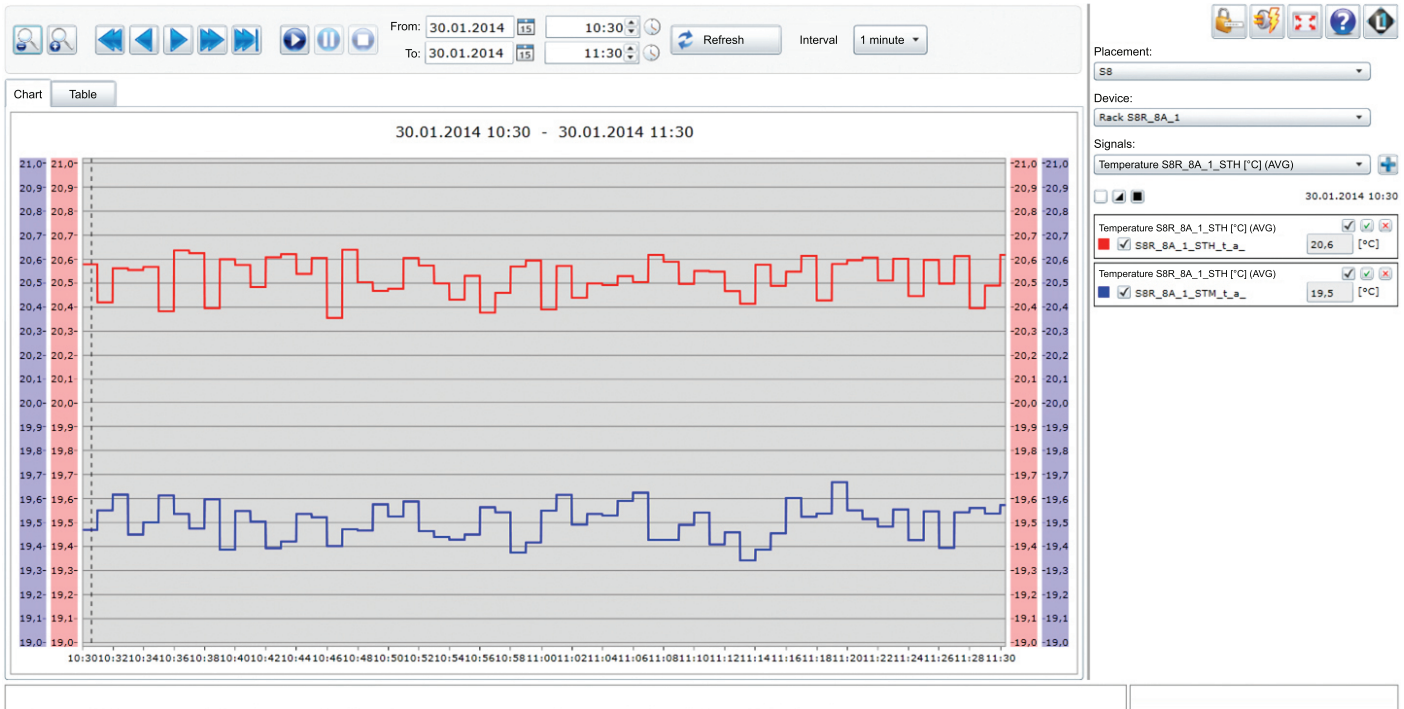
- ✔ L1 – online monitoring
- ✔ L2 – chart extension
- ✔ L3 – management extension
- ✔ L4 – customers management
- ✔ Customer portal

**L1 - online monitoring**

Module displays the monitored area in ground plan with the positioning of the devices, in block diagrams and high level view, as well as visual highlights the status changes and events. The operator confirms the events and resolve the occurred situations.

**L2 - chart extension**

Module, which serves to display measured values of the selected variables and allow their comparison. The displayed data is in the form of a chart or table. Module operates with historical data stored in the data repository, as well as the instantaneous measured from the monitored area.

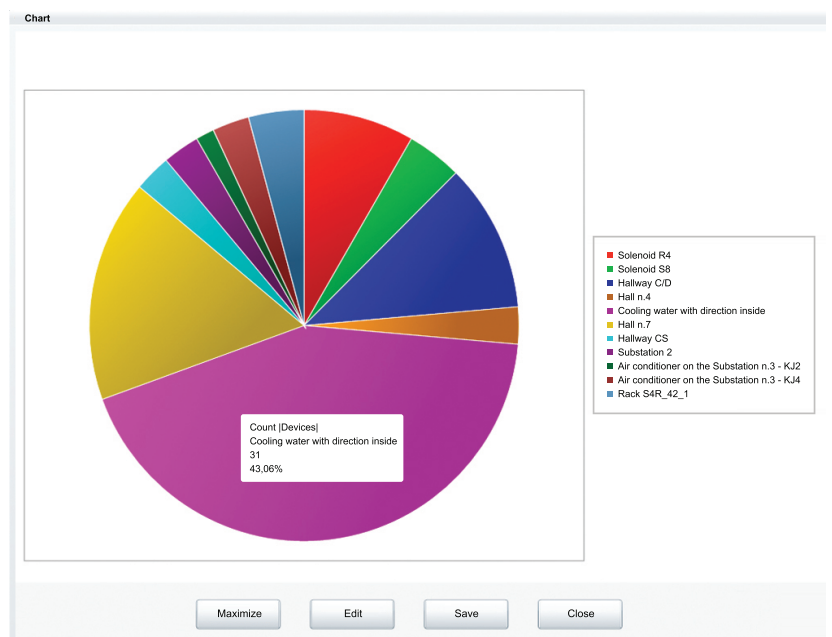


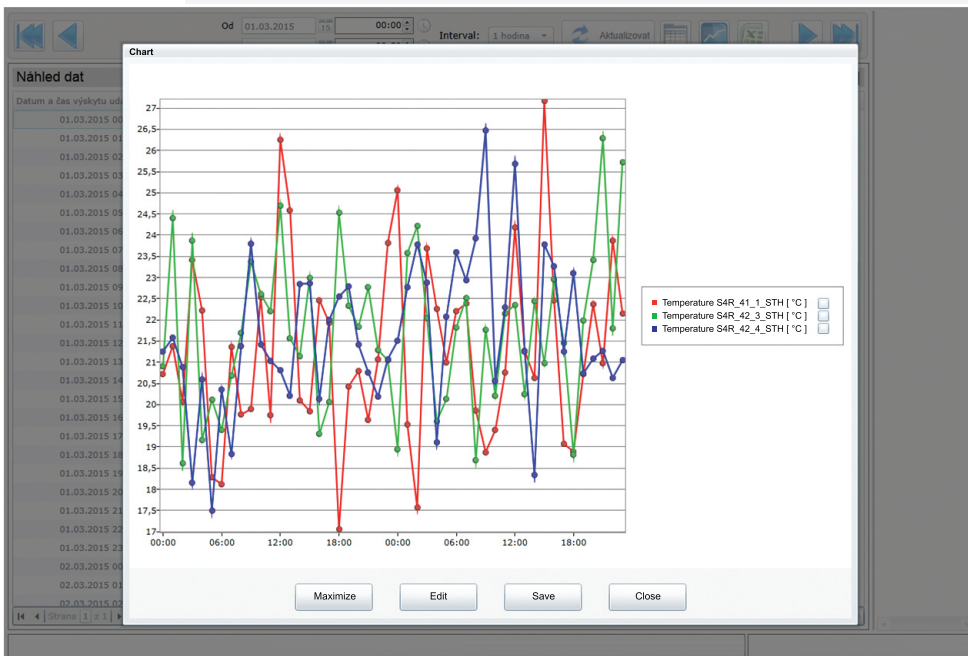
**L3 - management extension**

This special module provides options for creating Managerial reports – outputs in various forms. The system maintains the predefined data sources above which the users can create their own selection and projection with possibility to export or chart compilation.

**L4 - customer management**

Customer Management module is a great benefit of MIDS system that allows to record customers of company, also theirs customer zones and manage this data in one place. This comprehensive evidence serve to further evaluating compliance with SLA contracts and another range of different operational reports based on individual customers.





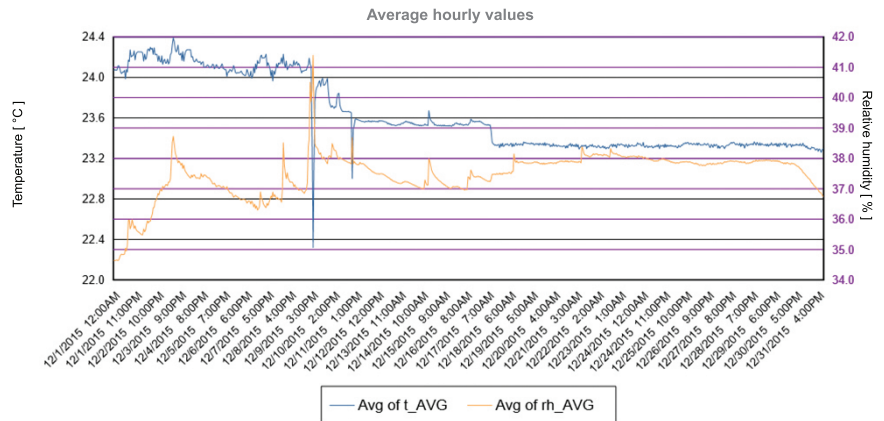
## Customer portal

Specific module that is designed to provide currently measured data and status of the devices related to the specific customer.

Data accessibility is controlled by the administration module of the portal, which allows the administrator to manage access for the customer's own users.

Hall S00B

### The average relative humidity and temperature from the sensor in the cold aisle



## MIDS Portal

Survey		Help		Log out	
Groups		States		Events	
Hall 8		Description	Value	Name	
		<b>DK - Hall n.8</b>			
		Doors open	No	S8_DK_ot	
		<b>HTEMP in hall n.8 - T1</b>			
		Temperature [°C]	21,9°C	S8_T1_t	
		Humidity [°C]	41,5%	S8_T1_rh	
		<b>AC83 in hall n.8</b>			
		The intake air temperature [°C]	29,7°C	AC83_retAirTemp	
		The temperature of the exhaust air [°C]	21,6%	AC83_supplyAirTemp	
		Usage of compressor [°C]	46,0%	AC83_comprUtilization	
		Humidity of the intake air [°C]	30,0%	AC83_retHum	
		Humidity of the exhaust air [°C]	48,5%	AC83_supplyHum	
		On	Yes	AC83_sysOperState1	
		Total consupcion	3,5 kW	S8R_8A_6_qip	
		Doors open at hot aisle	No	S8R_8A_6_TDK_ot	
		Doors open at cold aisle	No	S8R_8A_6_SDK_ot	
		Phase FA013	0,0 kW	S8R_8A_6_FA013_qip	
		Phase FA013	0,0 kW	S8R_8A_6_FA013_ep	
		Phase FA014	0,0 kW	S8R_8A_6_FA014_qip	
		Phase FA014	0,3 kW	S8R_8A_6_FA014_ep	

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