

Total Network Transparency

# Unified Monitoring System UMS



Feel safe

# All networks – one system

## UMS 2



### Unified Monitoring System UMS

Until now many users have considered the monitoring of cable and pipe networks and associated facilities to be isolated tasks. Modern management systems, however, require the integration of a range of monitoring tasks in order to allow for efficient quality assurance and service control.

Discover how UMS can revolutionize your monitoring processes and take your management to the next level.



### Integration instead of stand-alone

In all networks the UMS offers:

#### Central integration of all services

for a perfect overview.

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#### Flexible report control

adapted to your individual requirements.

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#### Seamless interfaces

for easy connectivity to existing management systems.

# We develop your solutions



## Fiber optic network monitoring

- Monitoring with reflectometers
- Optical power monitoring
- Optical attenuation monitoring



## Copper cable monitoring

- Insulation and loop resistance monitoring
- Pressurisation monitoring for primary cable protection
- Humidity monitoring inside sleeves
- Monitoring with reflectometers



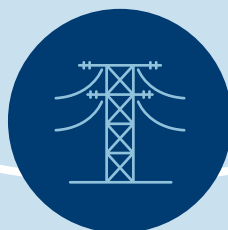
## District heating monitoring

- Leakage monitoring
- Leakage localisation
- Pipe and ground connection monitoring
- Monitoring with reflectometers



## Structural health monitoring

- Access monitoring of manhole covers, buildings and other openings to prevent theft and sabotage
- Moisture and humidity monitoring



## Energy cable monitoring

- Monitoring of optical and electronic short-circuit indicators
- Monitoring of voltages and currents
- Weather-dependent overhead line operation

# Maintain an overview



## See where the fire is right away

It is crucial for network operators to identify problems at an early stage ideally before major damage or a total failure occurs.

With the LANCIER Monitoring UMS platform, you always have an overview: Thanks to the intuitive color-coded system, you can identify critical problem areas at a glance – including their exact geographical location. A simple mouse click is all it takes to initiate detailed analyses and measures directly.



**UMS: Efficient, clear, reliable – for optimum network monitoring.**



A measuring point in alarm can be selected directly at any time for further information.

### In all networks the UMS offers:

- > Permanent preventive monitoring
- > The ability to react quickly in the event of faults, i.e. no or only short downtimes.
- > Fault localisation
- > One operator platform for all monitoring tasks
- > One presentation diagram for all networks
- > In addition, the monitoring of physical parameters, e.g. pressure, humidity, temperature etc.
- > Signal contacts for other alarms

# From an overview down to details

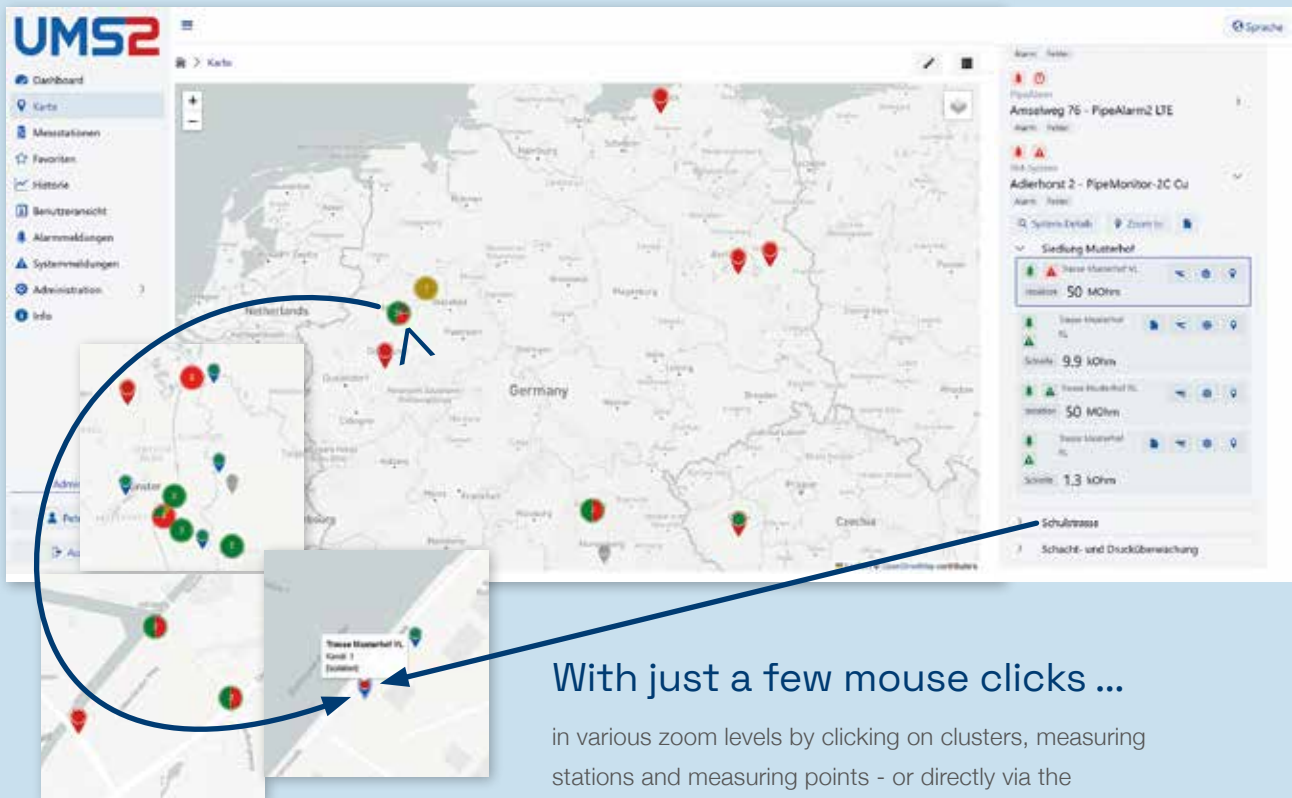
The UMS reveals all important information in a few mouse clicks

All measuring stations and routes are listed on the start screen and can be selected with a mouse click.

Display the position of each device with GIS coordinates and mapping.

Measuring points in **alarm status** are displayed in **red**.

Store your own plans and documents for quick access and assign them to the corresponding routes or specific sections.



With just a few mouse clicks ...

in various zoom levels by clicking on clusters, measuring stations and measuring points - or directly via the measuring point list.

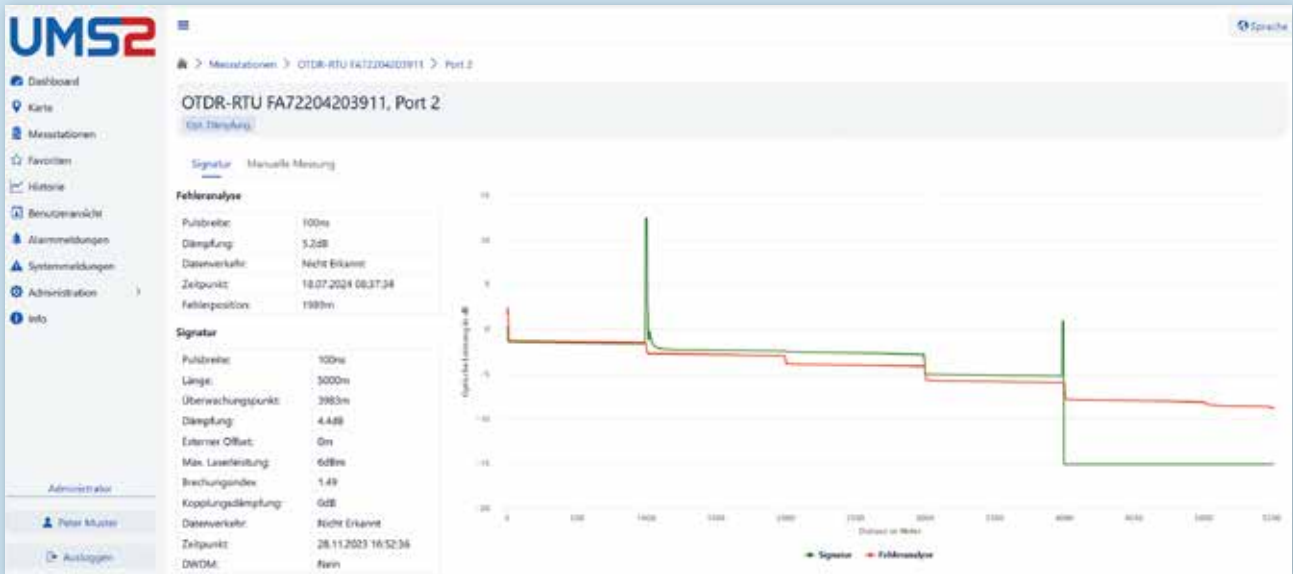
up to the measuring point history

with freely configurable viewing period and zoom function.



Example of measured value history with pre-alarm (yellow) and alarm limit (red).

## Trace



The graphical evaluation of a measuring point, is done with just one mouse click.

## Easy control via status bar

- > Assigned documents
- > Upload net map
- > Module configuration, e.g. alarm value setting
- > Zoom to the measuring point in the map



## Integrated network plans

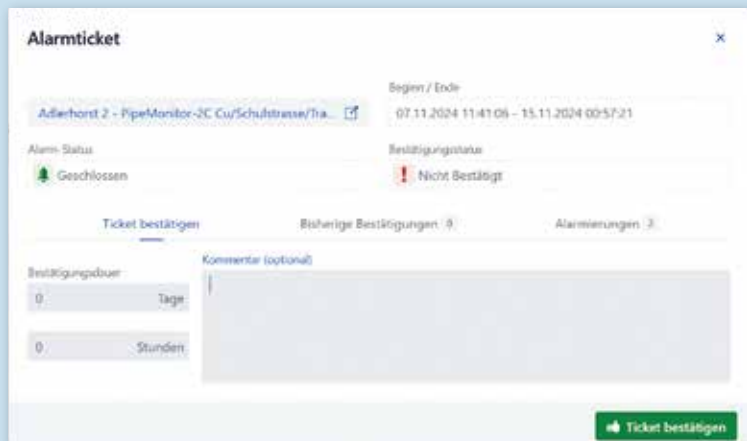


Existing network plans can be quickly and easily transferred to the UMS platform.

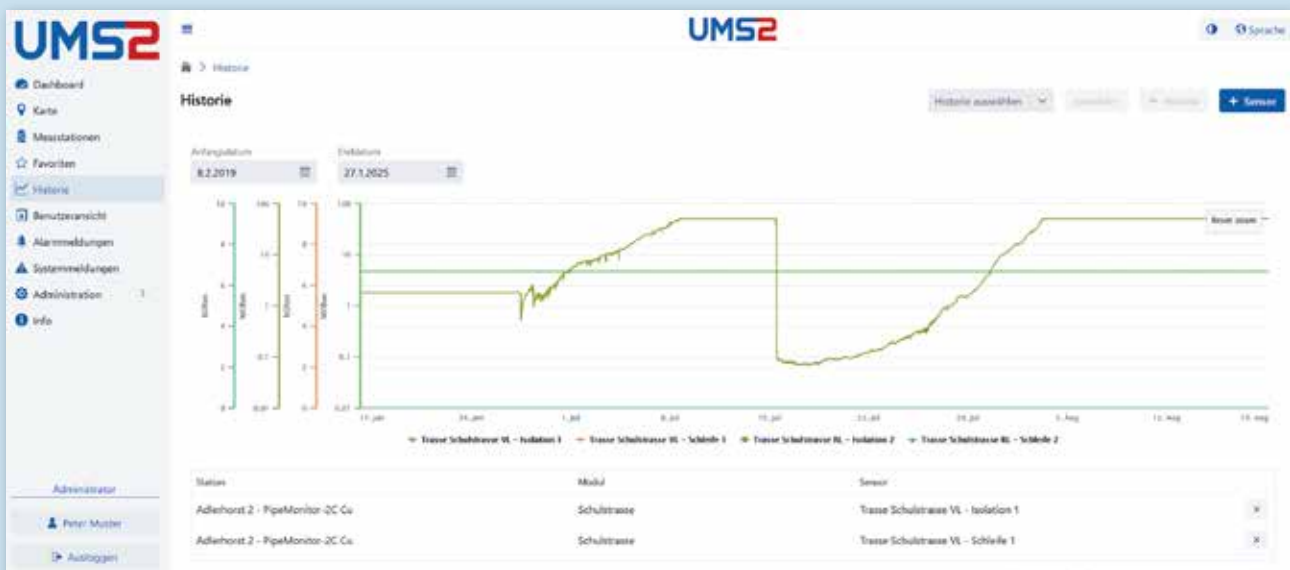
# Obtain results intuitively and quickly

## Alerting with ticketing system

Configure the recipients of specific alarm messages individually according to your operational requirements via a wide variety of communication channels, such as email or SMS. A ticketing system ensures the perfect organization and processing of alarm messages.



## History of several data points in comparison



Client/server communication uses the Internet protocol and can therefore be accessed via the Internet or intranet using encrypted access with standard browsers.



## UMS Components



The measuring stations form the universal platform for all network and system monitoring tasks.



The server contains the central database for all monitoring stations, measuring points, implemented route plans and attached documents. It provides the data and information for the clients.



Client/server communication uses the Internet protocol and can therefore be accessed via the Internet or intranet using encrypted access with standard browsers.

# Flexible and secure worldwide On-Premise, Cloud-Hosting



## No fear of security gaps

The LANCIER UMS platform is usually installed on computers “on premise” in the operator’s network.

However, many companies do not allow external access to their own servers. The resulting security risks are too great for them.

Nevertheless, it is necessary for the smooth maintenance and servicing of surveillance networks that employees and service providers also have direct access to the relevant data from outside.



## Cost reduction

Take advantage of the savings potential that the UMS Hosting Service offers to you. You reduce your own costs, in particular by eliminating the need to procure and maintain additional hardware and software and by optimizing the scheduling of your technicians.



## Independence

As no data needs to be managed and maintained on your own servers, the structure of your internal IT remains completely unaffected.

All relevant data is stored independently, securely and available worldwide on LANCIER monitoring servers.

## Ums & hosting service: The economical and efficient monitoring solution

### Our solution

#### The UMS hosting service

LANCIER Monitoring provides you with a server with encrypted access that retrieves, processes and provides the measurement data from the measuring points of your systems.

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#### Worldwide and secure

You and your external service providers have password-protected access to the analyzed data via the Internet.

Outsourcing data management takes the strain off your company server and also provides you with a major security benefit.

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#### It's worth it for you

Professional server hosting offers you maximum availability at fixed, calculable costs and thus protects you from unpleasant surprises - a worthwhile alternative for large and small companies alike.



We develop solutions together:  
innovative, reliable, future-proof

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