



**Liebherr
SmartMonitoring,
monitoring software
for all your laboratory
refrigeration. From +4
all the way down to -86
degrees Celsius.**

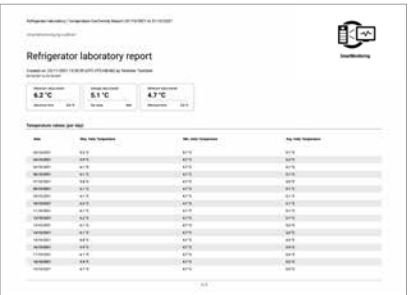
The interplay between the integrated software, modern hardware and comprehensive support package makes the digital monitoring solution highly reliable and, at the same time, easy to use.

Scientific; Pharmacy and Healthcare refrigeration connected to Liebherr SmartMonitoring offers additional security to temperature sensitive samples and substances.



**Everything at a glance on the
SmartMonitoring dashboard**

All measurements, operating data, alerts and appliance statuses can be viewed at any time via the web-based, intuitive SmartMonitoring dashboard; even for appliances in different locations. Ideal for laboratory management and remote work.



**Complete documentation
without bothersome paperwork**

The temperature and all other cooling parameters of your stored substances are continuously documented. Reports are saved for 6 months and can be viewed and downloaded at any time. Designed with compliance needs in mind.



Immediate alerts to deviations

In the event of deviations in storage temperature you will immediately receive an e-mail, text message or phone call to alert you. This helps you react before problems occur. Should such a situation arise, the alert list will show the minimum and maximum values to inform you of any resulting damage.

Comprehensive solution for everyday use.

GDPR Compliant 2016/679

Protection of your
valuable substances

Build a package for your
requirements, with Email,
and optional Text and Phone
notifications

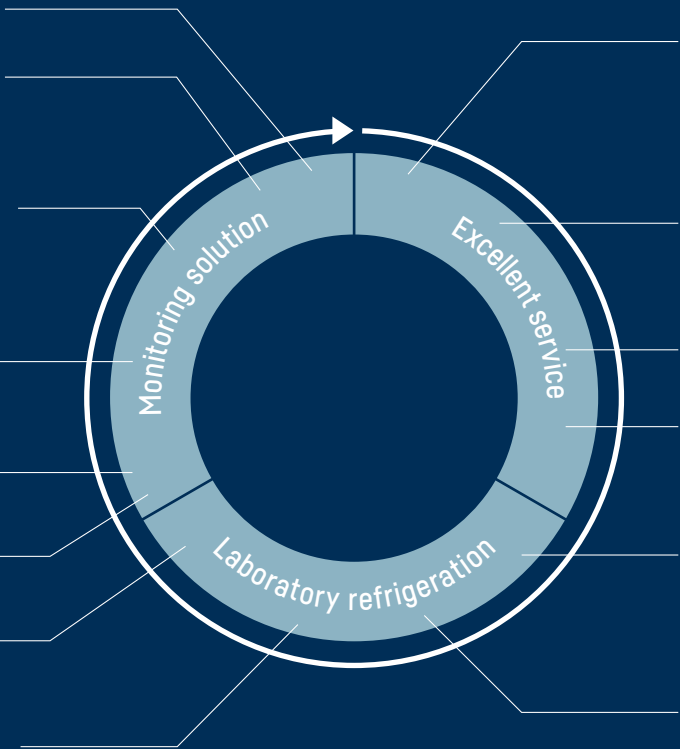
Reliable documented
history of adherence to
temperature parameters

Prevention of damage
and loss of quality

Reduction in manual tasks

Easy and convenient
monitoring solution

Fulfills strict DIN standard
58345 for the storage
of medicines



Use of the latest encryption
methods and compliance
with current standards for
authentication and
authorisation

The underlying cloud
infrastructure complies with
the ISO 27001 and ISO 27018
certifications, among others

Quick and professional
customer service

Straightforward
installation

Large selection of
laboratory refrigeration
for medicine and
laboratories

The highest level of
precision and reliable
temperature stability



Further information on
SmartMonitoring can be found here:
home.liebherr.com/smartmonitoring

Or get in touch with your personal contact.



home.liebherr.com/smartmonitoring



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SmartMonitoring

Temperature monitoring system
for Laboratory, Pharmacy and
Healthcare applications.

LIEBHERR

Refrigeration and Freezing

Connect your Liebherr appliance to the Liebherr SmartMonitoring platform.

In medicine and research, precision and safety are of the utmost priority. This also applies to storing sensitive substances. Medicines, vaccines, tissues or samples - which need refrigeration require constant and precise temperatures, non-stop monitoring and supporting documentation. The strict specifications of DIN standards on the storage of medicines place a high demand on staff in terms of time and effort.

Are you interested in monitoring your laboratory cold storage? Receive notifications for refrigeration alarms.



Enhance sample security with Liebherr SmartMonitoring.

The cloud-based digital solution ensures maximum protection for sensitive substances:

- **Precise monitoring** of temperature stability, available in multiple locations across several Liebherr refrigeration appliances
- **Seamless documentation** around the clock with no additional demands on time
- **All relevant data, at a glance, at any time**
- Immediate **alerts to deviations** via e-mail, text message or phone call

SmartMonitoring from Liebherr solves problems before they happen.

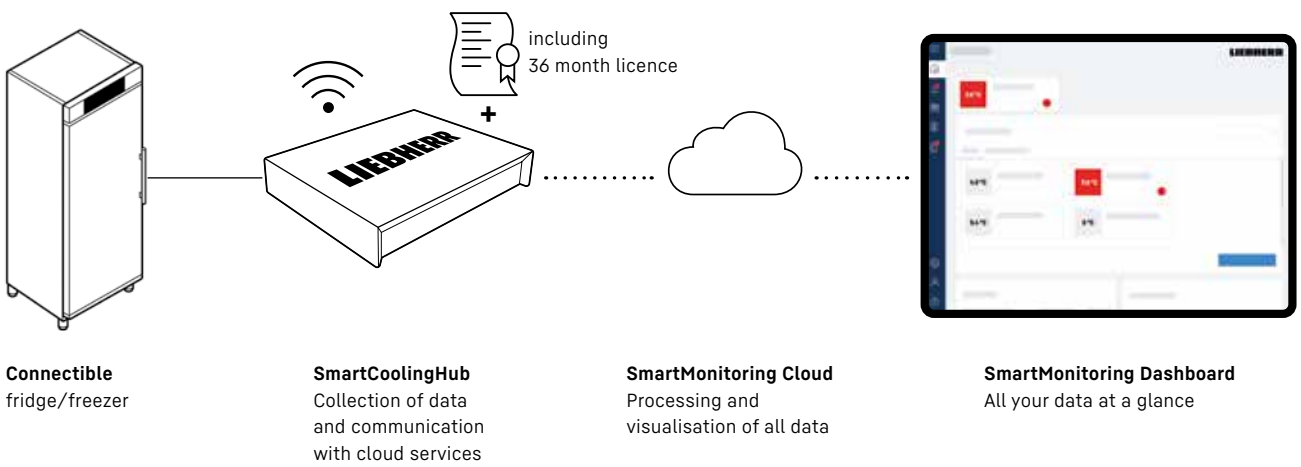


Connecting your scientific refrigeration to SmartMonitoring is easy.



Secure storage is always top priority.

The Liebherr laboratory and pharmacy refrigeration appliances are built to the highest standards. When your cold storage is connected to SmartMonitoring platform you get remote monitoring, device management, remote access, data access and email alert notifications.



Connected with the maximum degree of security.

The SmartCoolingHub is the central tool for the digital, cloud-based monitoring solution from Liebherr. This allows your company network to integrate your cooling appliances via local network or WiFi using the Liebherr dashboard. Up to 20 appliances can be connected to each hub. The system automatically gathers operational data, alarm messages and appliance statuses, then saves and processes them. Even in the event of an internet outage, all appliance data continues to be recorded for 48 hours in the buffer memory. The SmartMonitoring dashboard shows you all necessary data at any time with just a tap of the finger. To benefit from these and further functions you require a licence which authorises the use of SmartMonitoring.



SmartCoolingHub – Your interface for maximum safety

Enhance your temperature sensitive sample Security.



With your tailor-made licence you can make full use of Liebherr's professional SmartMonitoring solutions. This includes all basic functions such as monitoring, documentation and e-mail alerts.

- 36 month term from activation
- No automatic extension
- One licence per monitored appliance (refrigeration/freezing appliance)
- Authorisation for any number of users
- User and appliance management (role-based)
- Additional alerts via text message or phone call optional

Your key advantages:

- **Highest level of protection for your valuable substances** by ensuring a constant, precise storage temperature
- **Temperature documentation**, for compliance and laboratory audit needs.
- **Alarm systems** to reduce the risk of damage and loss of sample quality
- **Improved sample security** with less time required.
- **An easy, simple and convenient monitoring solution**
- **GDPR Compliant 2016/679**
- **Use of the latest encryption methods** and compliance with current standards for authentication and authorisation

