

Maximum safety. Always in view.

Discover the advantages
of a digital monitoring solution.

LIEBHERR

SmartMonitoring

Eases the burden in what is often overburdened: Your daily work.

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.



SmartMonitoring can help ease some of that burden.

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

- **Precise monitoring** of temperature stability, available in multiple locations across several 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. So you can keep a clear head for work.



Professional appliance, monitoring solution, great service – the perfect trio for more time on your hands.

Professional refrigeration and freezing appliances with SmartMonitoring offer an extra layer of safety for substances which are sensitive to temperature. The interplay between the integrated software, modern hardware and comprehensive support makes the digital monitoring solution highly reliable and, at the same time, easy to use. You can benefit from the noticeable easing of the burden of day to day work by the reduction in time consuming checks and documentation of storage temperatures which SmartMonitoring offers.



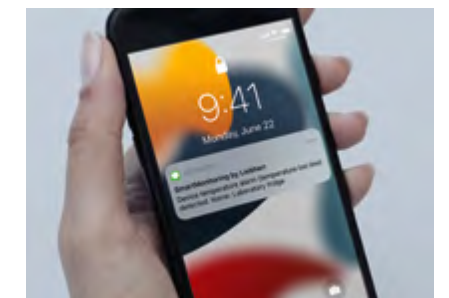
Everything at a glance on the SmartMonitoring dashboard

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.



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.



Immediate alerts to deviations

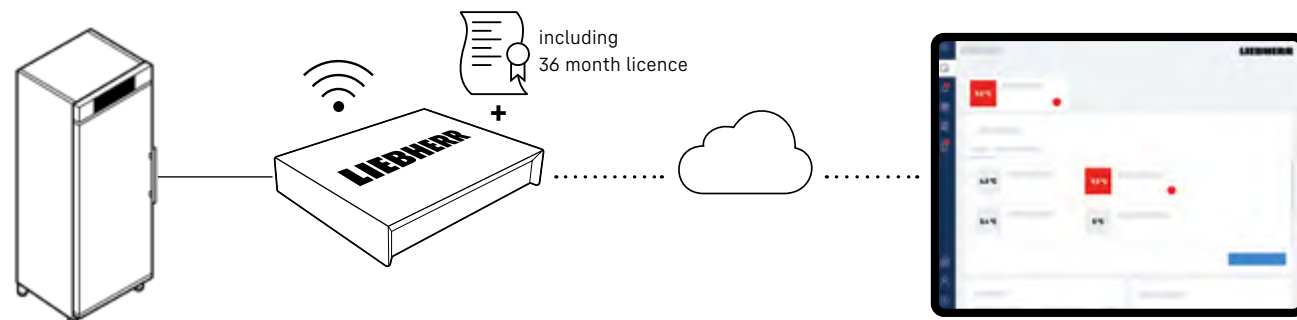
In the event of deviations in storage temperature you will immediately receive an e-mail, text message or phone call to alert you. This helps you react before problems occur. Should such a situation arise, the alert list will show the minimum and maximum values to inform you of any resulting damage.

It's that easy to be on the safe side.



Safe storage is always top priority.

Professional refrigeration and freezing appliances from Liebherr ensure the highest level of precision and safety. Developed specifically for medicine and research, they reliably store sensitive substances at constant temperatures, whereas conventional domestic appliances are often susceptible to temperature fluctuations over a period of time. In combination with SmartMonitoring you benefit from professional Liebherr appliances with the highest level of protection for your valuable substances.



Connectible
fridge/freezer

SmartCoolingHub
Collection of data and communication with cloud services

SmartMonitoring Cloud
Processing and visualisation of all data

SmartMonitoring Dashboard
All your data at a glance

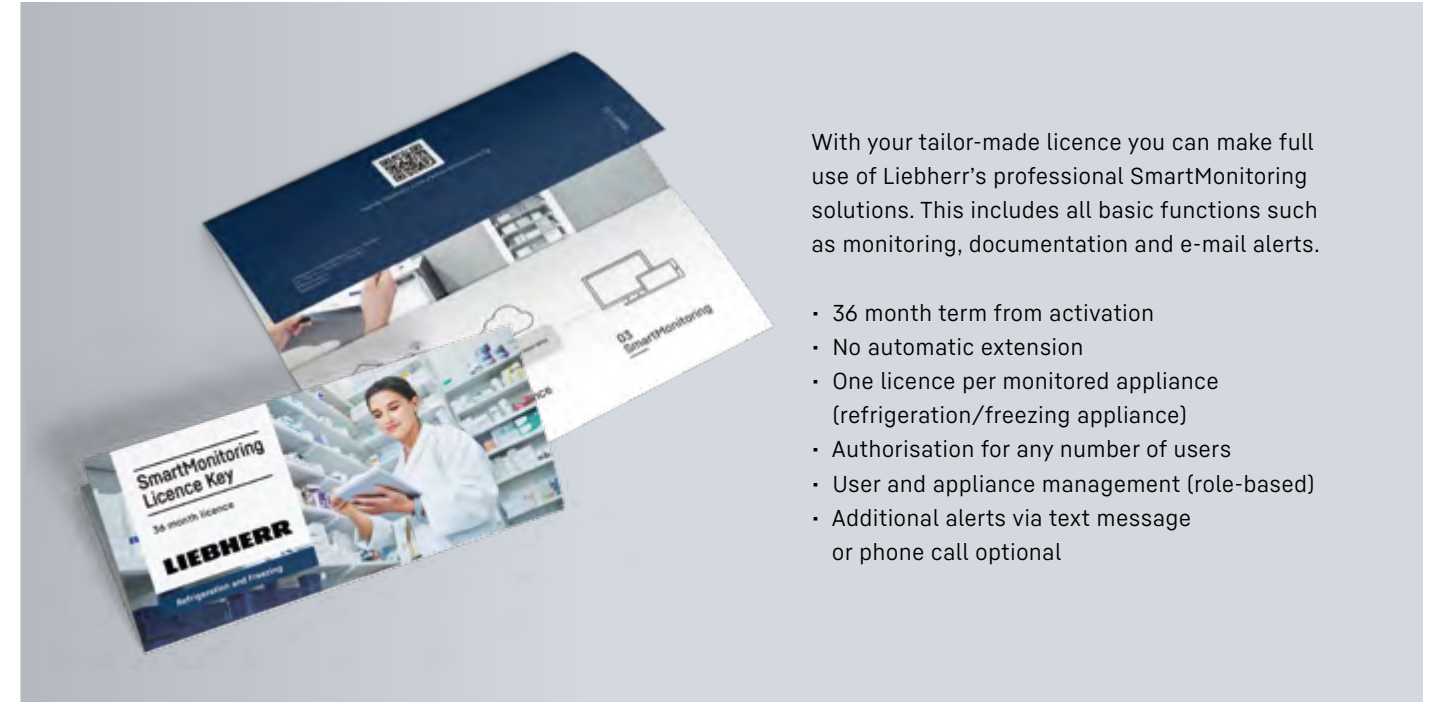
Connected with the maximum degree of security.

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 authorizes the use of SmartMonitoring.



SmartCoolingHub –
Your interface for maximum safety

Get your licence to stress reduction.



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
- **Proof of documentation** of adherence to temperature specifications and reliable recording
- **Reliable alarm systems** to reduce the chances of damage and loss of quality
- **More time to concentrate on what's important** by eliminating time-consuming checks and documentation
- **An easy, simple and convenient monitoring solution** for all appliances



Comprehensive solution for everyday use.

Fulfils the highest standards of data protection

Protection of your valuable substances

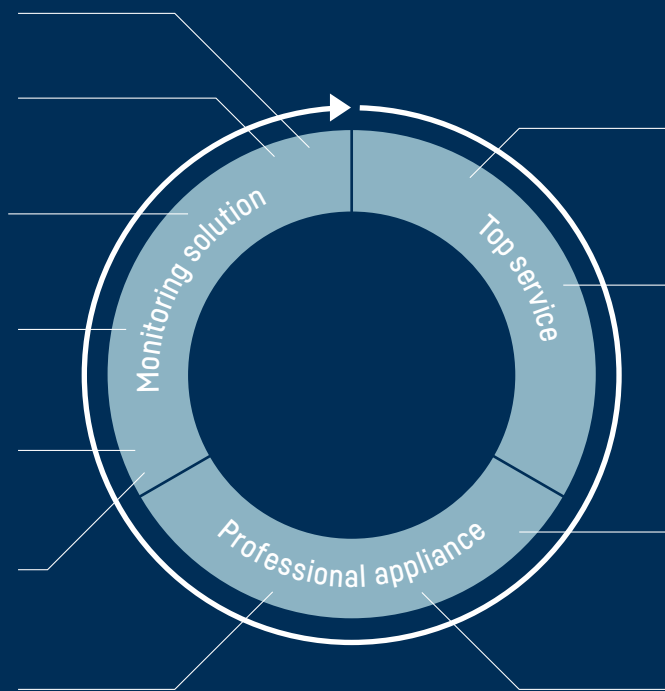
Reliable documented history of adherence to temperature parameters

Prevention of damage and loss of quality

More time to clear your head and concentrate on what matters

Easy and convenient monitoring solution

Fulfils strict DIN standard 58345 for the storage of medicines



Quick and professional customer service

Professional installation service

Large selection of professional appliances 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