SMART MONITORING INSTALLATION AND START-UP CHECKLIST

Customer details

First name:	Surname:
Street:	Building no.:
Post code:	Town/city:
Telephone:	E-mail address:
Location of appliance: e.g. wing, department.	Access: e.g. admission gate, front desk.

Ticket number in HAU CRM:

Installation details (arrangement of appliances, general conditions, accessories)

Model names of all appliances to be connected:

Is there an available socket near to each appliance (power cable is approx. 2.5 m long)?

☐ Yes

☐ No   Remarks:
E.g. installation to be modified by a third party, reference to distributor.

Are all the appliances in one room?

☐ Yes   How large is the gap between the appliances (LIEBHERR accessory cable is 5 m long)?
E.g. a longer cable (shielded twisted-pair cable with at least 2 cores) needs to be assembled.

May the connecting cable be routed loose between the appliances?
E.g. if no, installation by a third party.

☐ No   Remarks:
E.g. appliances to be connected between different rooms by a third party

How many SmartCoolingHubs are needed?

Is there a separate available socket near to each SmartCoolingHub (power cable is approx. 1 m long)?

☐ Yes

☐ No   Remarks:
E.g. installation to be modified by a third party.

Does the SmartCoolingHub have to be mounted, e.g. on the wall?

☐ No

☐ Yes   Remarks:
E.g. mounting by a third party

Required LIEBHERR accessories:

	Quantity:	available or procure from:
– SmartCoolingHub		
– 5 m connecting cable		
– RS485 connector		
– Temperature SmartSensor		
– Door SmartSensor		

Network details (type, settings to ensure smooth onboarding of the SmartCoolingHub)

Connection of SmartCoolingHub to:

☐ **LAN**

– Port patched and activated?   ☐ **Yes**   ☐ **No** → Must be done prior to start-up.

– LAN cable available?   ☐ **Yes**   ☐ **No** → Must be provided during start-up (not LH items).
  (RJ45, min. Cat5e, straight through)

☐ **WLAN**

– SSID visible and good signal strength?   ☐ **Yes**   ☐ **No** → Must be visible during start-up.   No

                                    SSID: ☐_____

– Security key (password) known?   ☐ **Yes**   ☐ **No** → Person must be present during start-up.

                              Password must be known during start-up

– MAC filter activated in the router (see router settings)?

  ☐ **Yes**   If the filter has to remain activated, enter the MAC address of the SmartCoolingHub (see label on the housing).
                 The person authorised to do this (e.g. IT administrator) must be present during start-up or deactivate the MAC filter in advance.

  ☐ **No**

– DHCP (Dynamic Host Configuration Protocol) deactivated in the router (see router settings)?

  ☐ **Yes**   IP needs to be assigned to the SmartCoolingHub manually, e.g. via the router; this cannot be configured using the SmartCoolingHub.
                 The person authorised to do this (e.g. IT administrator) must be present during start-up or activate the setting in advance.

  ☐ **No**

Router ports: These network ports must be open so the SmartCoolingHub can be configured and the appliance can transmit data to
               the cloud (alternatively: activate UPNP):
               - DNS: Port 53/UDP
               - HTTPS: Port 443 (OUT)/TCP
               - NTP: Port 123 (OUT)/UDP
               - Secure MQTT: Port 8883 (OUT)/TCP

Licence management (MyLiebherr, licence for SmartMonitoring)

MyLiebherr account already set up?

☐ **Yes**   Have the details to hand during start-up   Account ☐_____

                                               Password must be known during start-up

☐ **No**   SmartMonitoring can only be used with a MyLiebherr account.

                 Make sure that it is always a company profile that is set up (the relevant checkbox is activated by default during the
                 registration process) –> NOT a MyLiebherr "Consumer" account

                 Ideally the customer will have set this up in advance (www.myliebherr.com) and will have the details to hand.

Note: Liebherr IT (LIS) performs a manual check to ensure the MyLiebherr company profile is registered completely.
                 The full range of functions for the user profile in question will be made available after this check.
                 However, if the check has not yet been performed it is still possible to obtain and activate a licence, as well as use all basic
                 SmartMonitoring functions, it is just not possible to add more users or change any permissions.

Licence to use SmartMonitoring

Each appliance requires a licence to view appliance data and make use of the full range of functions in SmartMonitoring.
Every SmartCoolingHub comes with a 36-month licence for exactly one appliance.

Licences available for all appliances?

☐ **Yes**

☐ **No**   Licence(s) can be purchased in advance.
                 They can be bought at a retailer or in the LIEBHERR-online (if it exists in the respective country).

IMPORTANT: Behaviour of SmartCoolingHub in case of power interruption

Without power supply, the SmartCoolingHub can't receive, store or transmit the appliance's data.
To avoid loss of data, the user of SmartMonitoring has to install some further technical devices on it own response, e.g. an emergency permanent
power supply.