



**KLEEMANN**

Your 1<sup>st</sup> Choice in Lifts

# Enter the IoT era with us

Digital technology today, allows real-time information to work for the improvement of our daily lives. We bring this experience to the lifts service reality by creating new, easy and innovative solutions.

Enter the IoT era with KLEEMANN. With tools that make your life easier, provide peace of mind to your customers and help your business get more profitable.



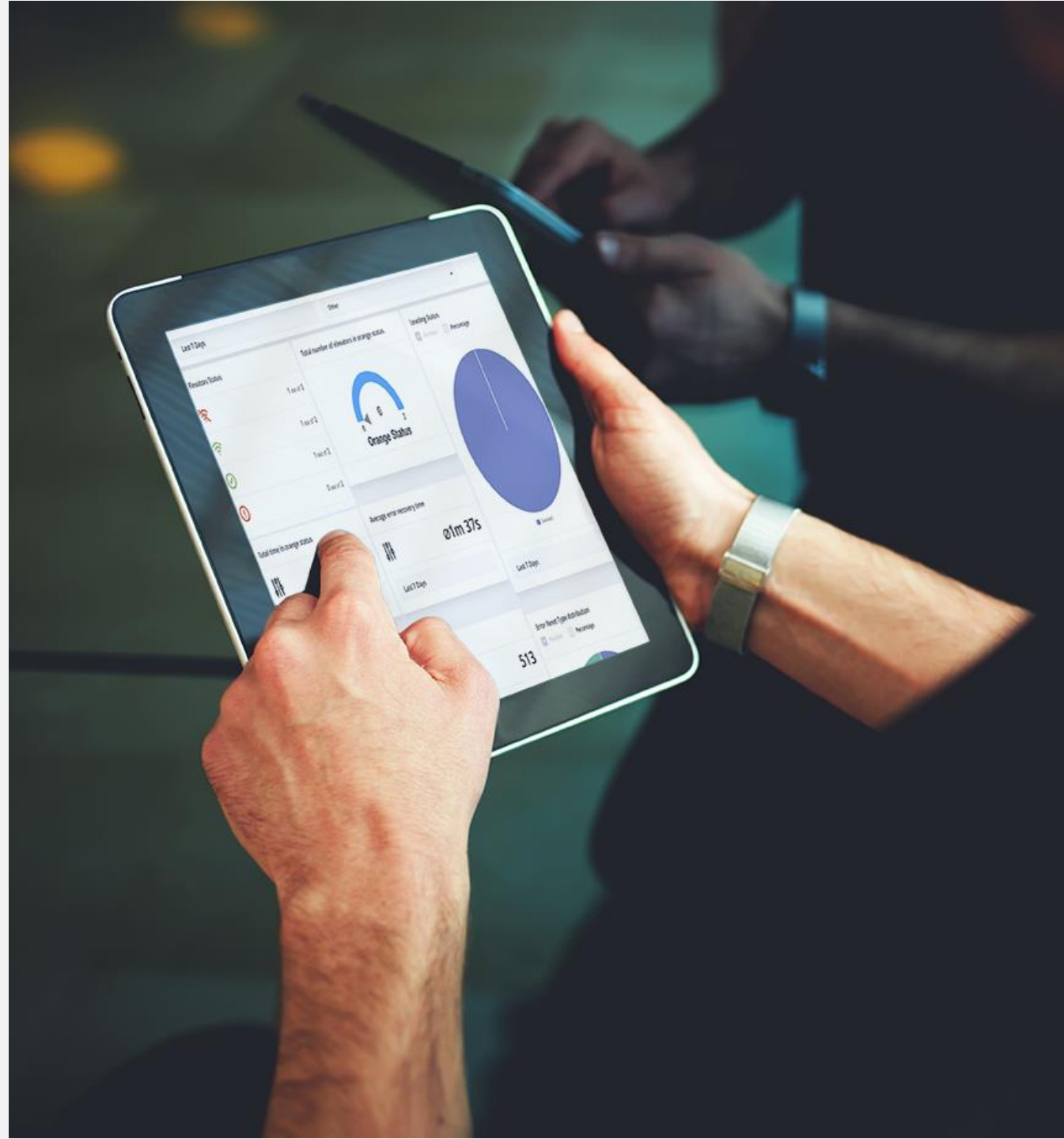


A time of possibilities

→ What if you could get your lifts' real time data anytime, anywhere, without a visit on site?

A time of opportunity

→ What if you could inspect and control your lifts from anywhere in the world?





A time of great potential

→ What if you had a tool that allowed  
you to expand and support more  
customers,  
with less resources?

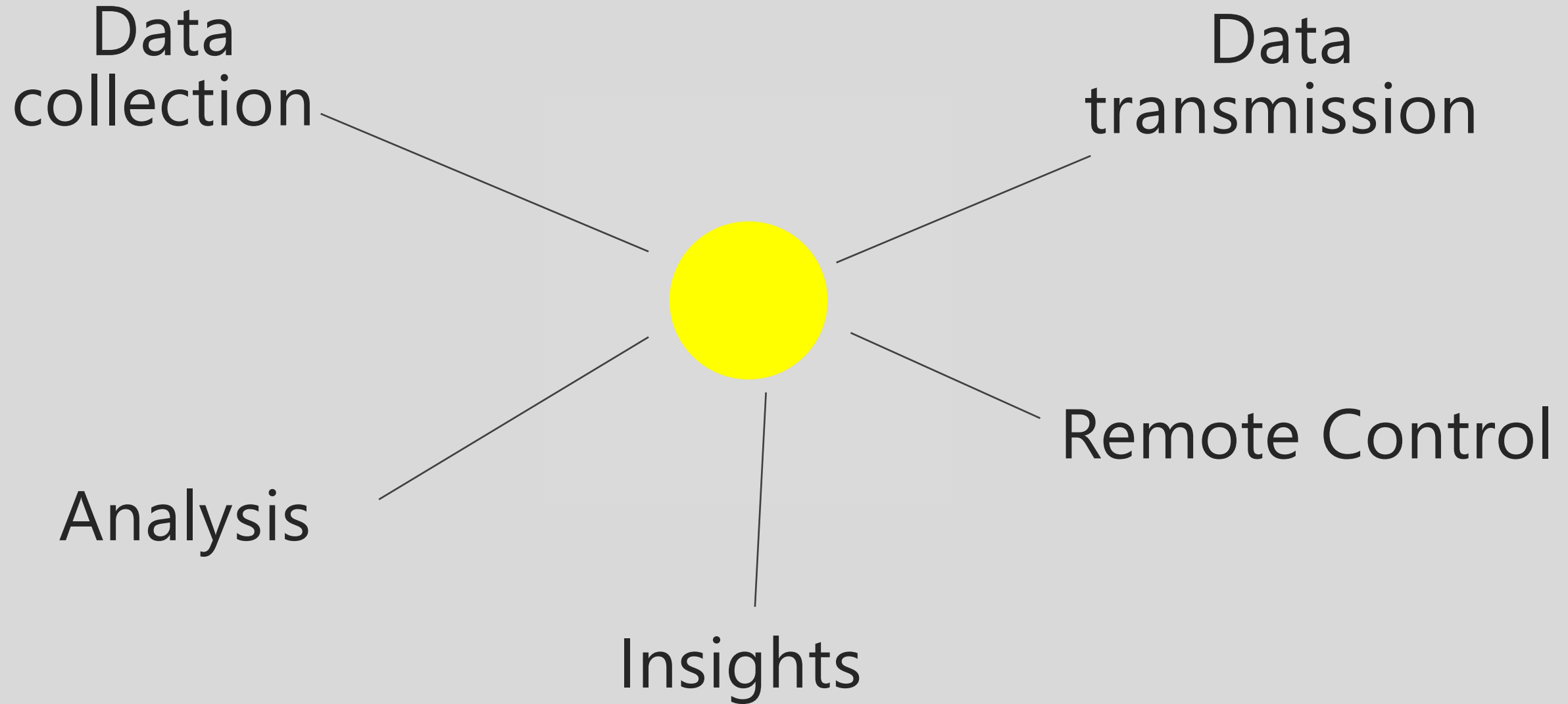
**KLEEMANN**  
 **LIVE**



KLEEMANN LIVE is an IoT system that collects, transmits, analyses data and provides insights for your lifts in real time.

A tool that collects data from your lifts in real time and displays it on a platform you can control from your laptop, smart phone (Android & IOS) or tablet







A brief introduction

# What is the IoT?

It stands for Internet of Things.

Data and metrics available  
to anyone from everywhere.

An extension of the existing connections  
between people and computers to include  
digitally-connected devices that measure  
and report data to a cloud service.





KLEEMANN LIVE brings the IoT connectivity to real life.

It keeps you linked 24/7 so you can have access to your lifts' status remotely any time, offering peace of mind for your customers.



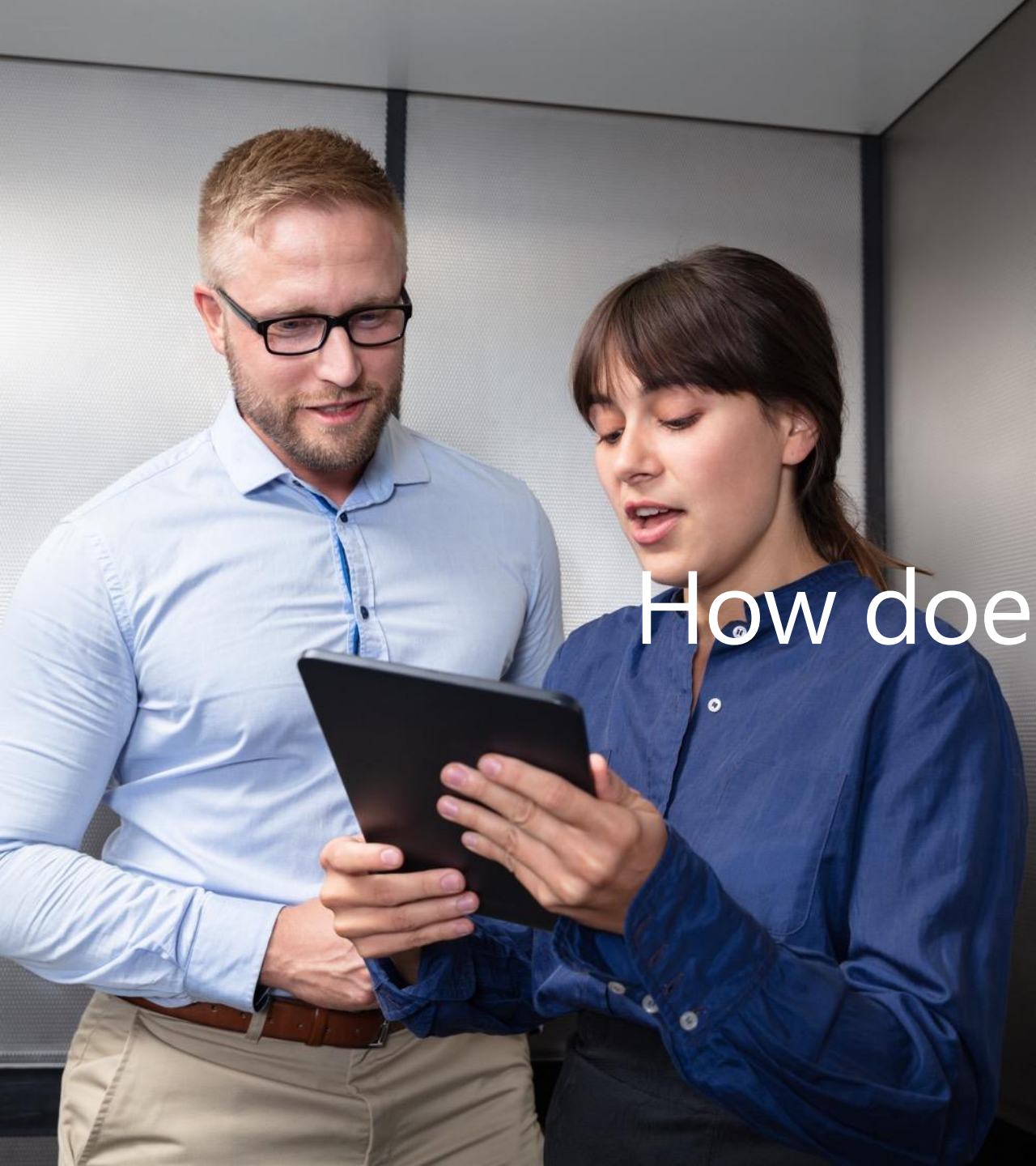




# Metrics include

- Rides
- Elevator status
- Errors log
- Statistics





How does it work?

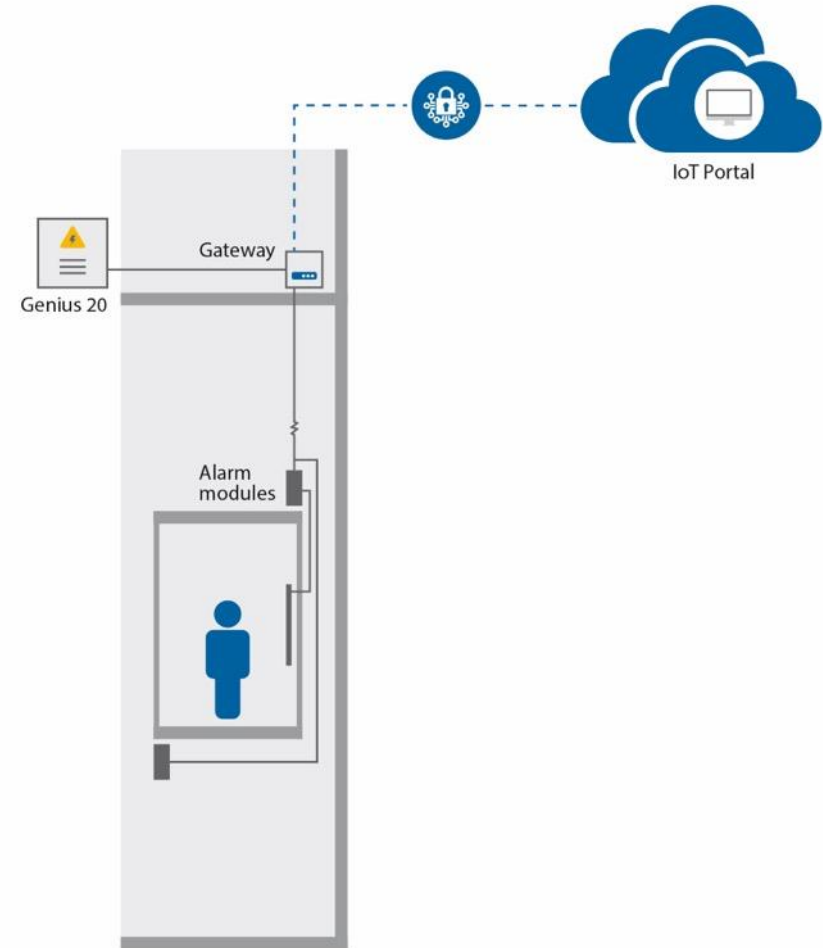


## System Components

# All you need is...

- The plug & play Hardware (gateway–autodialer)
- SIM card with data
- Visit the KLEEMANN LIVE platform using your KLEEMANN credentials

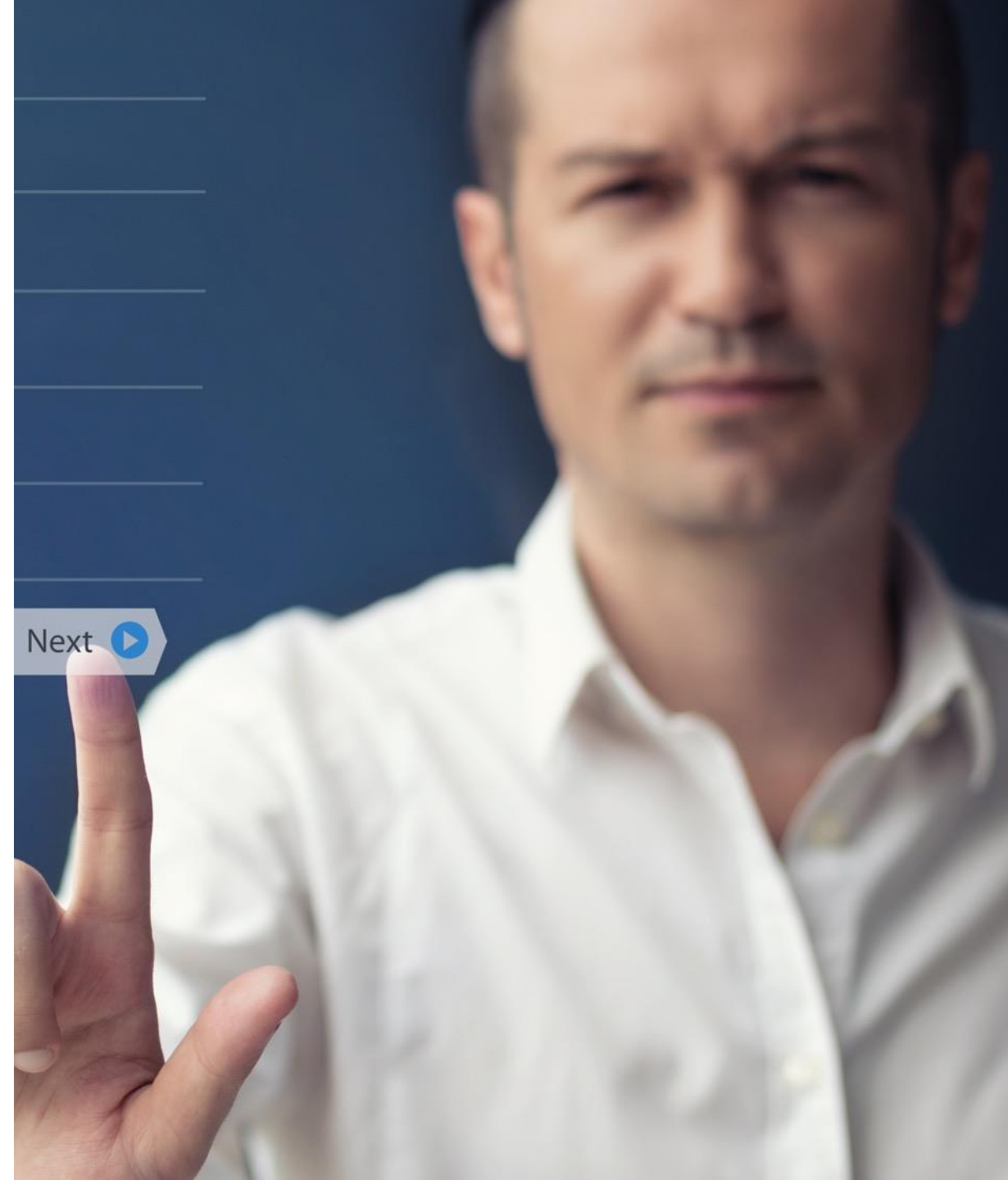
No need for separate GSM adapters  
No need for landline



A remote check

# An everyday routine check would include

- See the live status of all connected lifts
- Check your messages
- Inspect rides & statistics. Check parameters, send commands and calls to the elevator and get insights
- Edit Parameters if needed
- And all these from your laptop or smart device

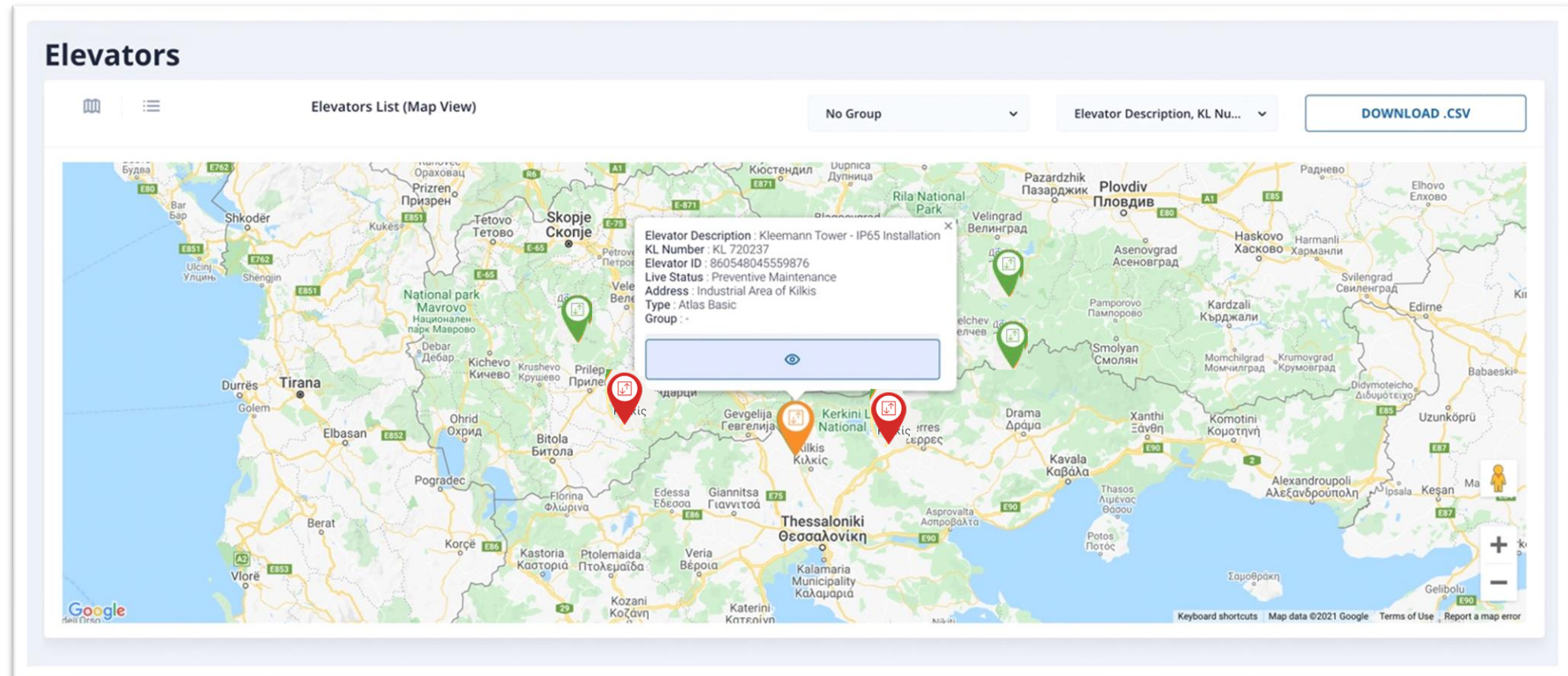






Conducting a routine check

See the live status of all connected lifts in a map





# Conducting a routine check

## Check your messages

KLEEMANN LIVE

OVERVIEW

MESSAGES

RIDES

STATISTICS

PARAMETERS

LIVE STATUS

MAINTENANCE

DETAILS

Dashboard

Elevators

Admin

13/05/2021 - 27/05/2021

Elevator Messages (Kleemann Tower 3m: KL 720236)

Elevator Messages

ERRORS LOG

EVENTS LOG

PREVENTIVE MAINTENANCE MESSAGES

ALL

Date	Error Code	Error Description	Error Source
27/05/2021 20:51:14	181		
27/05/2021 20:51:14	40	Battery-Control Error	Rest Reasons
27/05/2021 20:51:13	161	Emergency stop in PIT is pressed	Rest Reasons
27/05/2021 20:48:45	148	KMCTB is not alive	Communication
27/05/2021 20:48:44	181		

<

<

1

2

3

4

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DOWNLOAD .CSV





Inspect rides & statistics. Check parameters, send commands and calls to the elevator and get insights.

# Live Status (Kleemann Tower 3m: KL 720236)

Start Communication

Normal Operation

Travel Counter: 8676

Operating Hours: 1d, 10h, 2m, 2s

Absolute Position: 3027 mm

Current Speed: 28 mm/s

Step: 6

**Inverter commands**

- UP Direction cmd
- Down Direction cmd
- RUN Inverter Travel
- V0 Inverter Speed 0
- V1 Inverter Speed 1
- V2 Inverter Speed 2
- V3 Inverter Speed 3
- VN Inverter Rated Speed

**Door 1 status**

- LS1 Light Curtain 1
- OB1 Obstruction Door 1
- OL1 Open Limit Switch Door 1
- CL1 Close Limit Switch Door 1
- DO1 Door 1 Open Command
- DC1 Door 1 Close Command

**Safety circuit status**

- Safety circuit point S1
- Safety circuit point S2
- Safety circuit point S3
- Safety circuit point S4
- Safety circuit point S5
- Safety circuit point S6

AL Alarm

MON Contactor Monitoring

L4 Car Light

**Cabin position signals**

- Vo Upper Prefinal Switch
- SZ Signal Switch Zone
- SM Signal Switch Center
- VU Bottom Prefinal Switch
- ES Emergency Stop

KFN Car Fan

KCL Car Lights

K5 Safety Relay

K7 Safety Relay

**Commands to elevator**

- Door Open
- Door Close
- Call to upper floor
- Call to lower floor
- L-BLK
- Show ABS value from zero point
- Out of order

**Door 2 status**

- LS2 Light Curtain 2
- OB2 Obstruction Door 2
- OL2 Open Limit Switch Door 2
- CL2 Close Limit Switch Door 2
- DO2 Door 2 Open Command
- DC2 Door 2 Close Command

**I/O status**

	OUT	UP	DN	RUN	V0	V1	V2	V3	VN
IO1	IO1	IO2	IO3	IO4	IO5	IO6	IO7	IO8	
IO9	IO9	IO10	IO11	IO12	IO13	IO14	IO15	IO16	
IO17	IO17	IO18	IO19	IO20	IO21	IO22	IO23	IO24	
IO25	IO25	IO26	IO27	IO28	IO29	IO30	IO31	IO32	

	IN	S1	S2	S3	S4	MON	L4	K5	K7
IN			S5	S6	PH1	PH2	PH3	PHD	
OUT	KEN	KSD	KDN	KUP	KFA	KR1	KR2	KMT	

	C48	FL	OV1	ES	IDN	IUP	INS	KFN	KCL
C49				OB1	DT1				
C50				OB2	DT2				
C51	IO1	IO2	IO3	IO4	IO5	IO6	IO7	IO8	



**KLEEMANN**LIVE





Conducting a routine check

Edit parameters if needed

CONTROLLER

AUTODIALER

FETCH CONTROLLER VALUES

Search

SEARCH

Configuration

General Settings >

Doors >

Mode >

Mode

Normal >

Normal

Parking ☒

Parking

Fix Floor

0

Main stop parking ☒

T: Parking time(s)

0

Door open in park floor ☒

RESET

SUBMIT



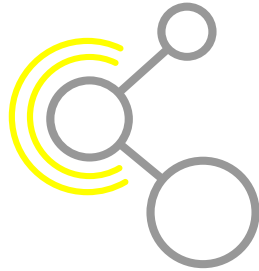


Plenty of benefits  
for your business

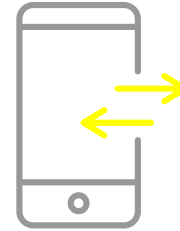
# Benefits



Save time &  
money



Control remotely  
& live



Always alert, always  
forward, peace of mind  
for your customers

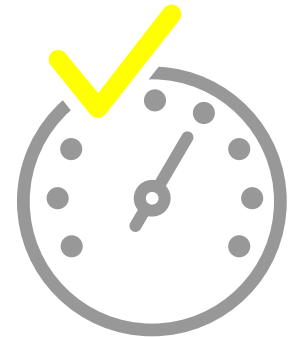


Gain knowledge,  
grow your business



# Save time & money

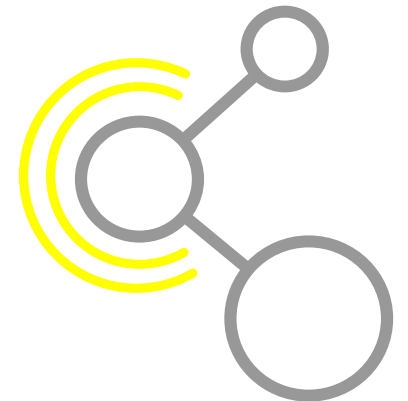
- Reduce your inspection visits
- Maintenance crew is informed before visit, to bring the correct spare parts and tools
- Organise your service and gain a better work flow





# Control remotely & live

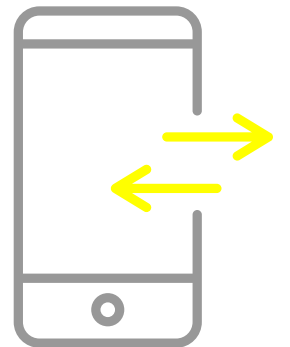
- Important information guides you to affect parameters of the elevator remotely
- Inspect and control your lifts from your mobile phone
- Assign tasks to your partner with the calendar tool
- Change parameters and send commands





# Always alert, always forward, peace of mind for your customers

- Push notifications inform you anytime and allow you to act accordingly
- Provides preventive maintenance
- KLEEMANN helpline services can assist the maintainer remotely and solve problems easily and effectively







# Gain knowledge, grow your business

- 24/7 support and service quality to your customers
- Allows you to expand and support more clients, with less resources
- Adds value to your services, gets you aligned with the digital era



A hand is pointing at a tablet screen. In the background, there is a bright, circular light source, possibly the sun, creating a lens flare effect. The overall scene is in a blue and white color palette.

# More options coming

2022

Smart functions  
integration

3rd party  
controllers

Predictive  
Maintenance

**KLEEMANN**  
 **LIVE**



LIVE Release

For KLEEMANN associates  
around the globe.

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# Thank you

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