

io-key

Unlock a new dimension of business



Product presentation

Product description

io-key



Time to be creative!

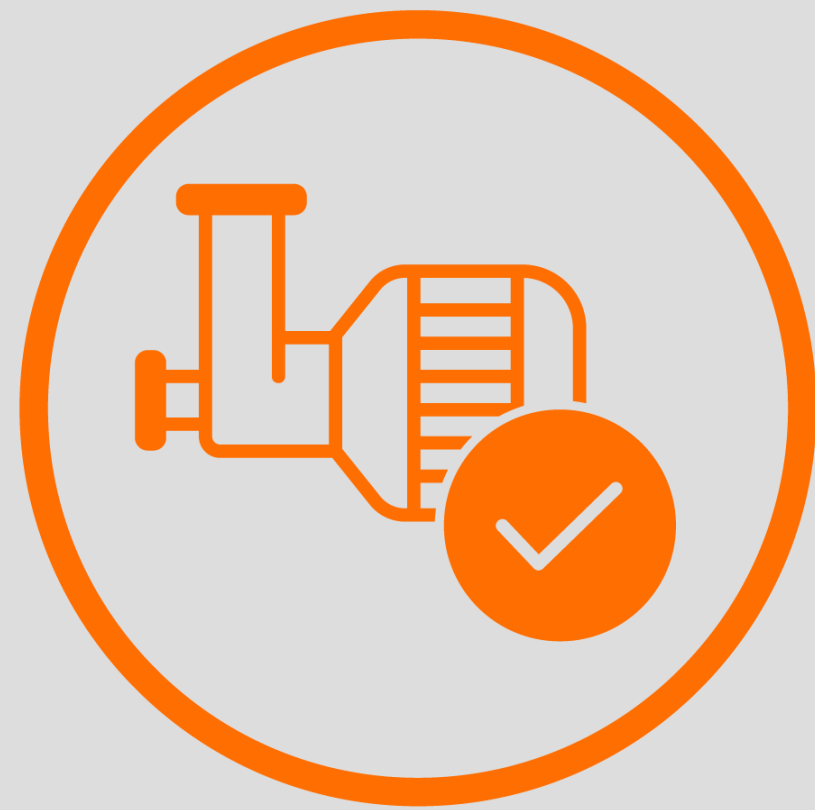
Minimum requirements, maximum benefit: 24 V and a mobile network – that's all the io-key needs to do its job. If both are available the IoT gateway sends the data directly from IO-Link sensors to the cloud. It does not matter to the io-key if it is in a sea container, in a supply silo in the middle of hectares of arable land or in a remote machine far from existing IT infrastructures.

In other words: With the io-key the IIoT is always there where you need it. This opens up new opportunities in process monitoring – and innovative approaches for increased customer service.

It is time to be creative! Are you ready? Let's go: ifm.com/io-key

Product advantages

Why io-key?



Higher machine uptime

Machine downtime is avoided by monitoring remote measuring points



Reduction of operating costs

Operating costs become easily transparent by logging production key performance indicators



Plug & Play

Easy and intuitive use of data transmission, cloud dashboard and alarm function

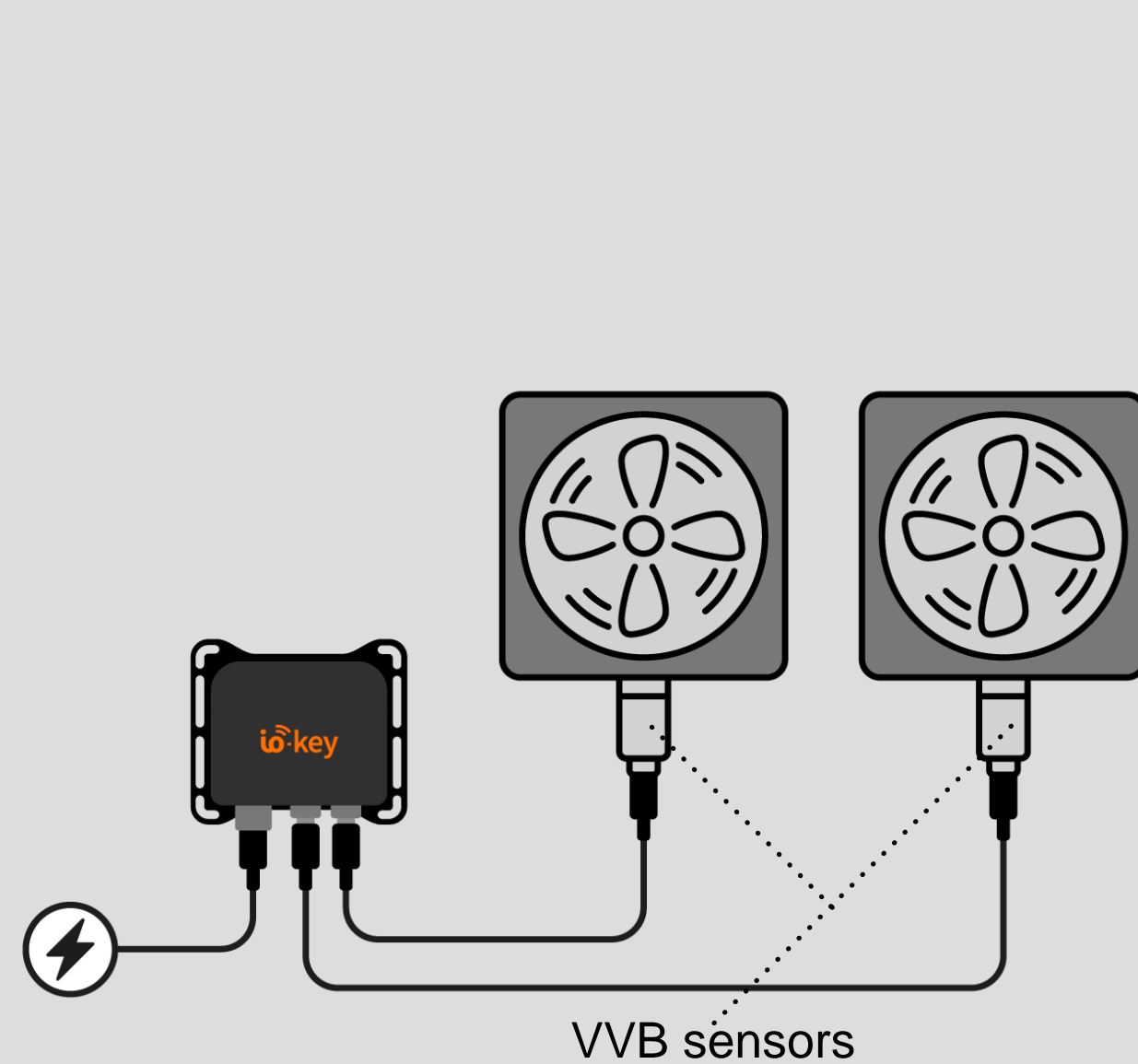


New business model

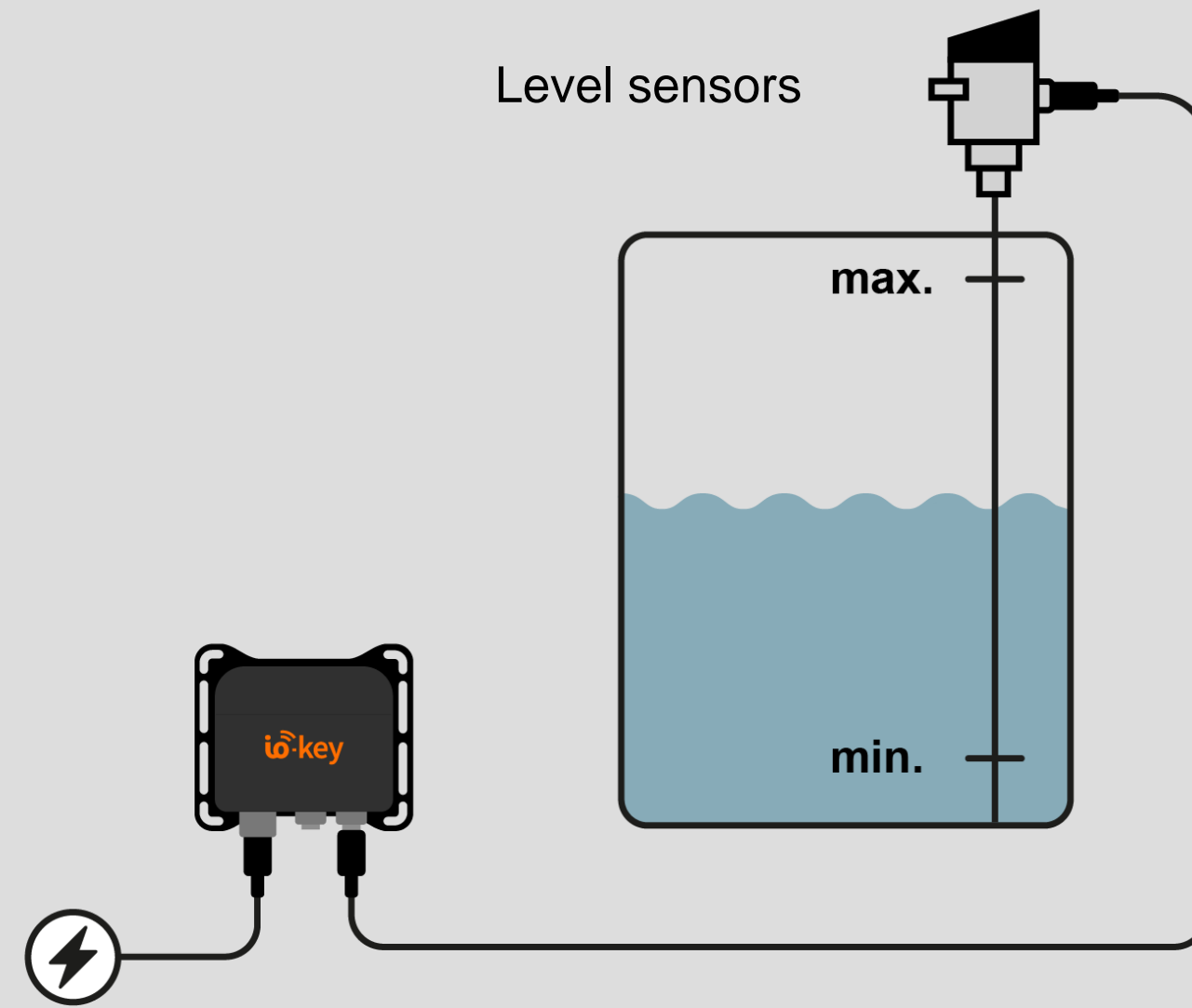
No infrastructure needed so that new business models can easily be implemented

Application overview

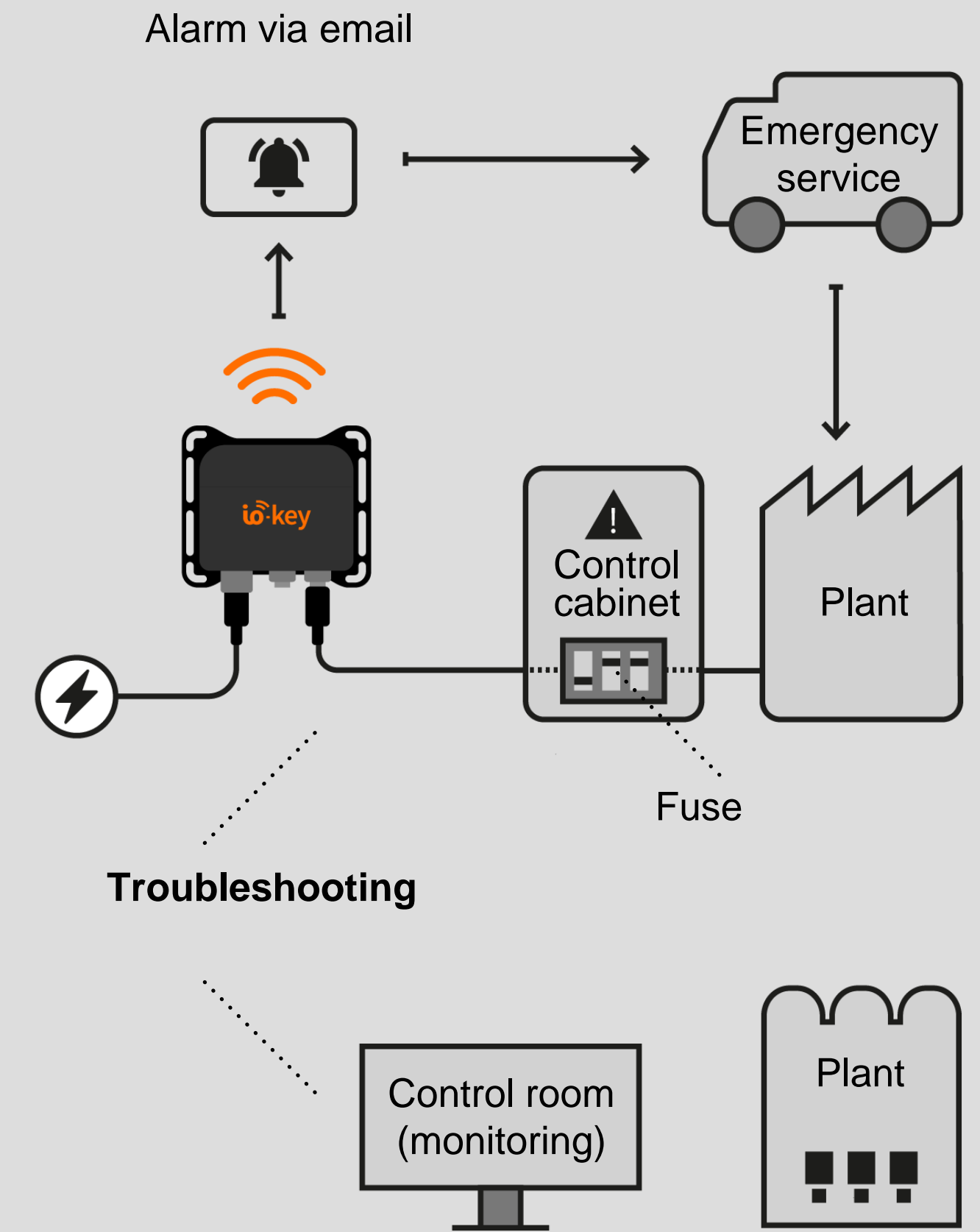
Monitoring and maintenance of machines and equipment



Predictive Maintenance



Level monitoring and logistics optimisation



Troubleshooting

Application overview

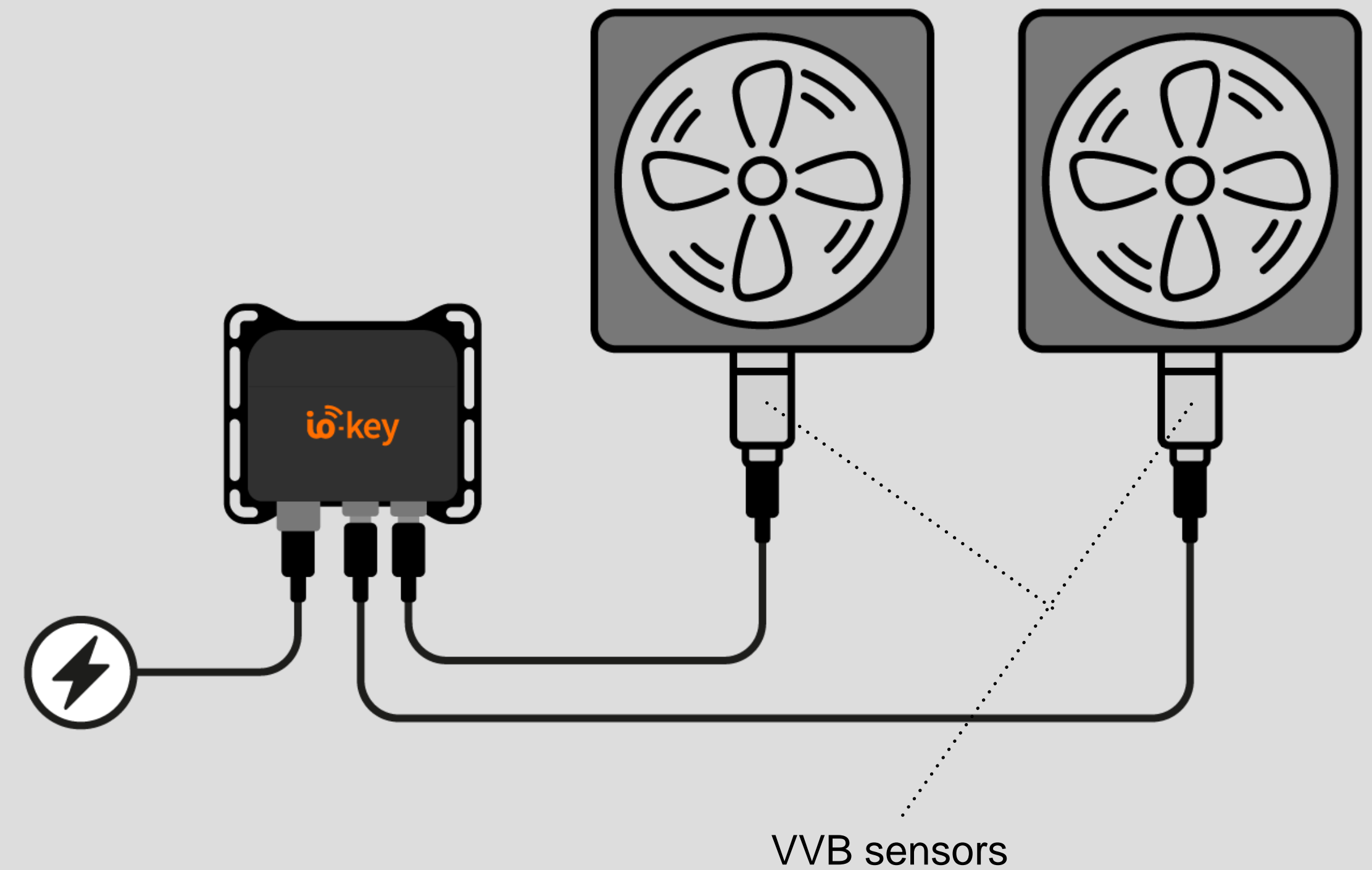
Predictive Maintenance

Predictive Maintenance

- Early transmission of information about the plant condition
- Preventive measures can be taken early thanks to a quick flow of information

Advantages

- Planning of maintenance measures
- Higher machine uptime
- Competitive advantages compared to traditional machines / equipment



Application overview

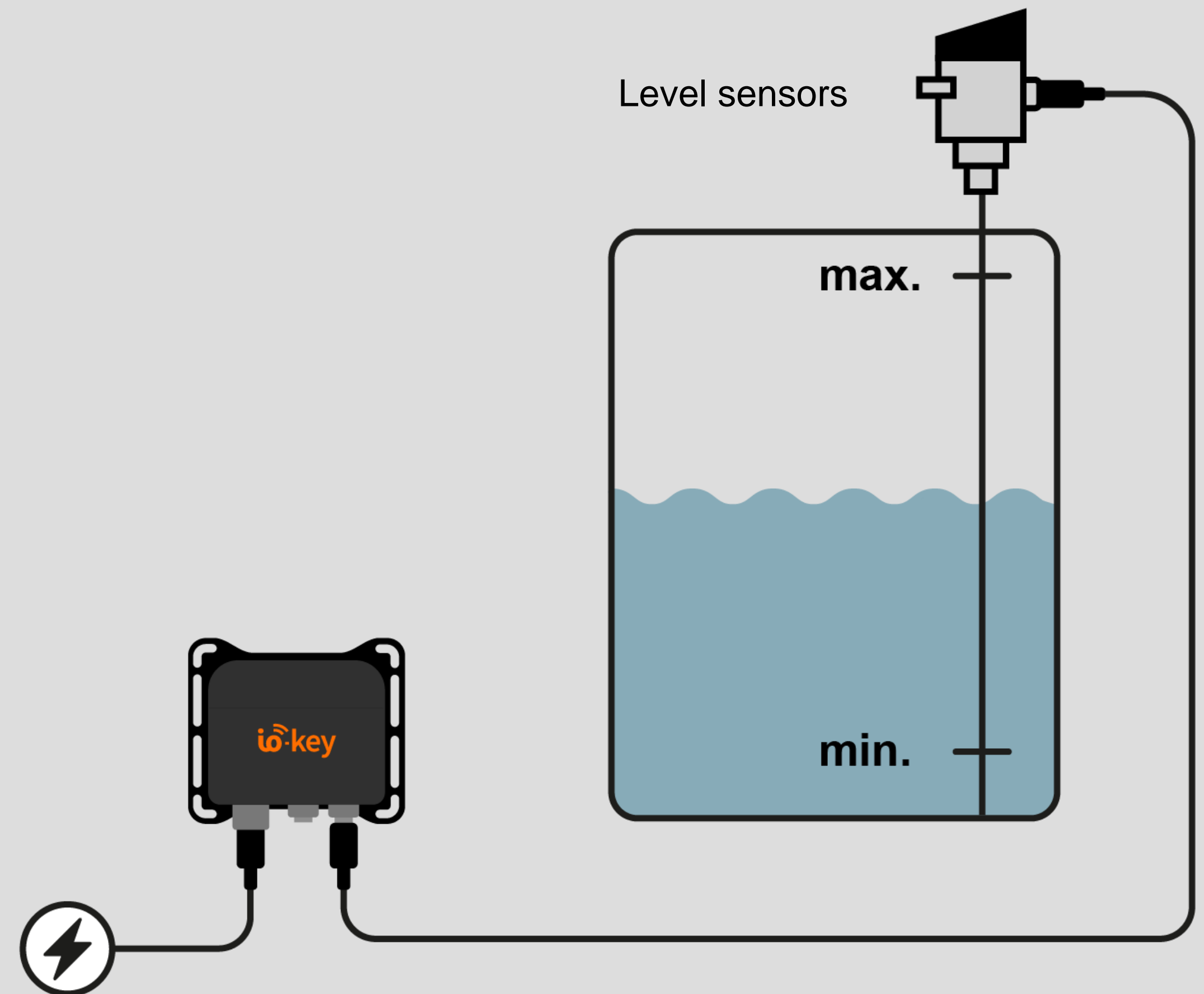
Level monitoring & logistics optimisation

Level monitoring

- Monitoring the level of remote tanks or silos
- Suppliers can guarantee silos are maintained at the optimum level via an automatic email notification

Advantages

- Reliable remote monitoring of the level
- Process optimisation and cost savings through better planning of maintenance, delivery or disposal
- No integration into existing IT infrastructure necessary



Application overview

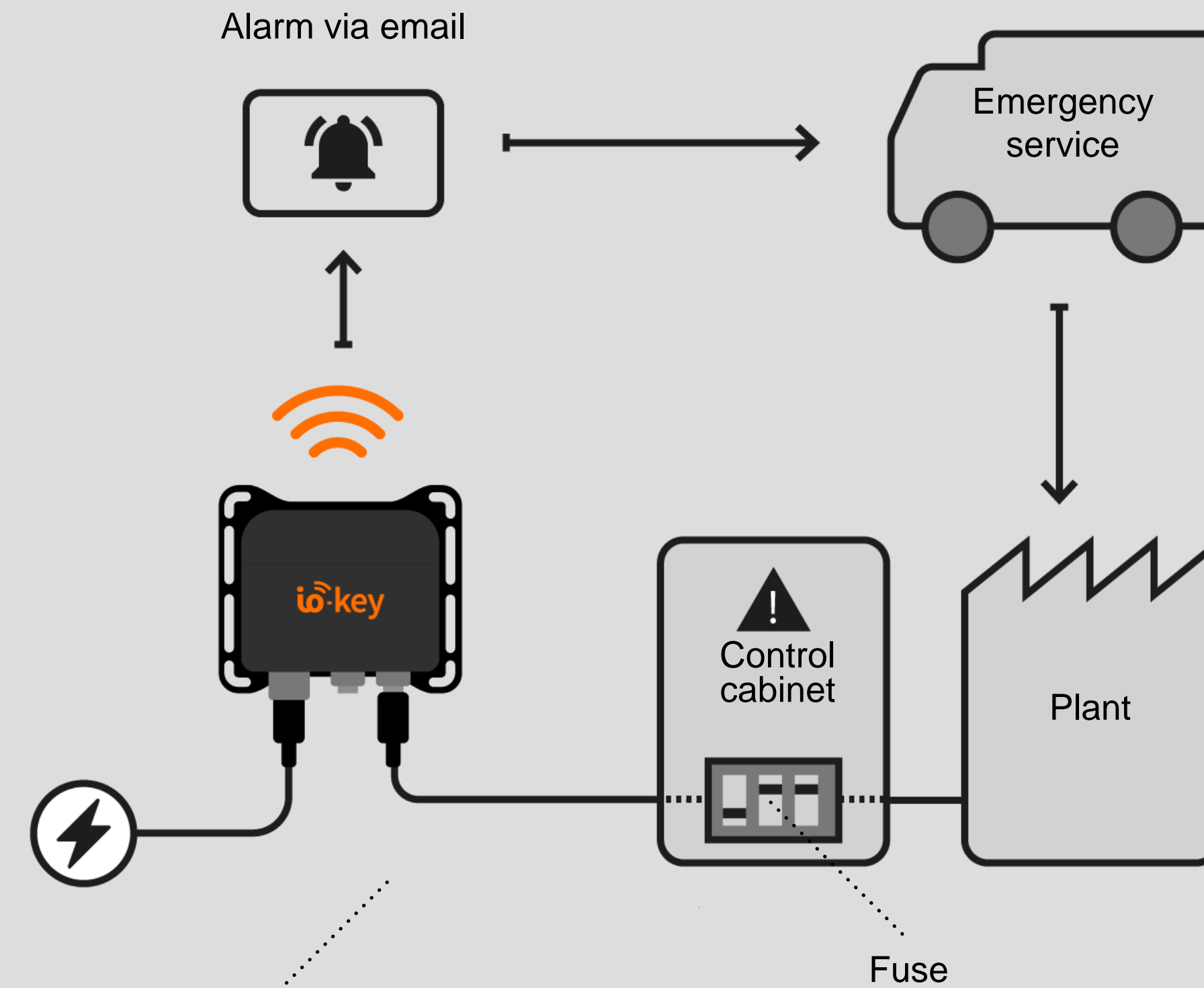
Troubleshooting

Troubleshooting

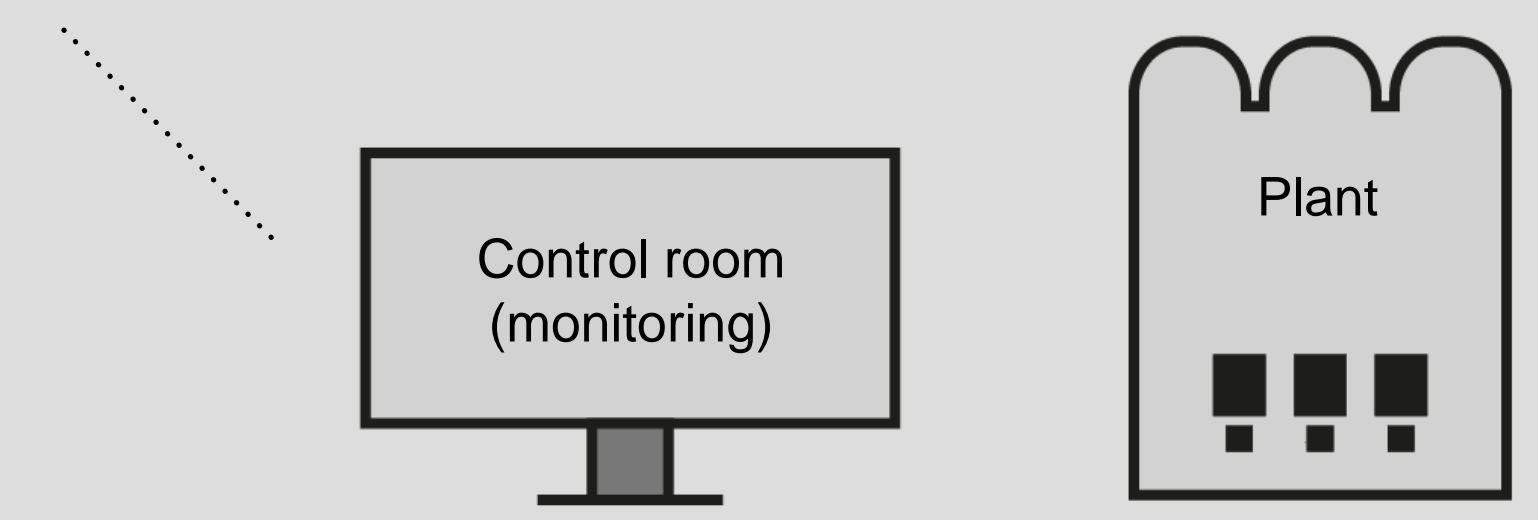
- Plant condition can be detected through remote monitoring
- Automatic email notification in the event of an incident

Advantages

- Location-independent monitoring of machines and equipment
- Fast response in the event of incidents
- Automatic alarm notification of the emergency service possible



Troubleshooting



Good to know

io-key open for success



Mobile network instead of cables

Use is based on a mobile network, thus providing new digital opportunities



Totally autonomous

No other infrastructure needed



Reliable data monitoring from anywhere

Data monitoring from close range or remotely



Flexible use

Suitable for almost every application through the support of over 10,000 IO-Link sensors



io-key

Product presentation

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