

IntelliLock

THE SMART ACCESS CONTROL SYSTEM FOR YOUR WIND TURBINE

- ✔ Keyless and entirely digital
- ✔ Control and transparency in real time
- ✔ Remote unlocking for emergencies
- ✔ Personalized access permits
- ✔ Customizable security alerts
- ✔ Automatic documentation of access

Today, wind turbines are insufficiently protected against unauthorized access. Gaining full control over turbine access is hard, as transparency on the master keys handed out by turbine manufacturers is limited. However, asset safety and security are crucial for operators as they are the ones who are liable. Also, today's access control processes show room for improvement with regard to efficiency and cost. That is why we are developing IntelliLock.

ENHANCED SECURITY Stop worrying about physical keys that are hard to control. With IntelliLock, you manage turbine access based on PIN codes that are easy to (de)activate. IntelliLock's real time monitoring function provides you with full transparency on turbine access and enables you to react immediately in case of unauthorized intrusion. As a plus, IntelliLock automatically locks the door if you close it.

ENHANCED SAFETY IntelliLock enables you to grant turbine access from the operations control center. In emergency situations, this helps medical staff or firemen to enter without losing valuable time while searching for a key or breaching the door. Of course, IntelliLock also has a panic function so that technicians can escape dangerous situations at any time.

AUTOMATED PROCESSES IntelliLock allows you to implement a fully automated access control procedure as it automatically logs who enters which turbine at what time. Hence, technicians can stop calling the wind farm operator to register before they start their work on a turbine. Moreover, think about not having to manage physical keys anymore. IntelliLock lets you focus on truly value-creating tasks.

TECHNICAL FACTS

- For all standard or tubular frame doors
- Keyless but can be combined with locking cylinder as backup
- Vandal-proof equipment for tough environments
- IT security by design against cyber risks
- Easy software integration via REST API





SYSTEM REQUIREMENTS

- | | |
|----------------------------|--|
| Power supply | 230 V AC |
| Data connection | Ethernet (RJ-45) |
| Bandwidth | Min. 1 Mbit/s |
| Software-Hosting | In der Leitwarte (Virtual Machine, Win 10) |
| Benötigter Speicher | 10 MB |
- Communication**
- Between control center and master turbine via VPN
 - Between master turbine and other WTGs via windfarm network

SYSTEM COMPONENTS

BASE MODULES



CONTROL UNIT

- Manages system communication
- Mounted on top-hat rail



LOCK

- Panic function
- Single or multi-point lock
- Regular key cylinder as backup



KEYPAD

- Aluminum housing, IP 65
- Temperature range -25 °C to +70 °C
- Acoustic and optical feedback



SOFTWARE

- Access control in real time
- Customizable security alerts
- Remote unlocking of the WTG

ADD-ONS



Wireless network

Between multiple IntelliLock systems in the same wind farm



UPS

For continued operation in case of outages



CLOUD-HOSTING

As alternative to hosting software on your own server

For further information please visit www.intellilock.de/en



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