We Secure Access to Machine Data

with our Remote Service Portal mbCONNECT24

- Capture your factory floor data using mbNET or mbSPIDER
- Store the data on your central server mbCONNECT24
- Distribution of data into user dashboards and export data to external systems (SQL, PDF, CSV, HTML)
- Secure Remote Access to control systems

Security facts

- 2-Factor Authentication, TLS/SSL encryption
- Central management of users, plants, projects and devices
- Periodical Security audits and patch management processes
- Roll-based user management with highly scalable access rights

We Secure Remote Services

with our routers mbNET and data modems mbSPIDER

- Easy and transparent access to machine and network components
- Central configuration of the routers and data modems on the server site
- Flexible interface connectivity to Ethernet, USB and Serial
- Remote Access and Data Collection in one system

Security facts

- Only outbound connections from users and devices to the server
- Highly scalable access rights such as IP / port on devices behind the router
- Firmware updates und configuration changes are deployed from Server site
- Integrated firewall

We Secure Machine Networks

with our firewall mbNETFIX

- Access control for the production network and the machine components
- Efficient network security without the need to master complex technologies
- Easy separation of production and machine network
- Protect your machines from attacks from the Internet

Security facts

- Automatic learning function for network traffic
- Encrypted configuration interface with key storage
- Create clear communication rules through network segmentation
- IP-, port- and protocol filter

We Secure Machine PLCs

with our mbSECBOX

- Protect your PLC against malicious programs and unwanted changes
- Detection and alarming of program changes
- Backup and restore of the program memory

Security facts

- Stand-alone and closed system
- Direct communication to the PLC
- Memory recovery directly via the mbSECBOX
- Continuous monitoring of PLC memory

MB **MB CONNECT LINE**
remote maintenance solutions

MB Connect Line GmbH offers universal solutions for worldwide remote maintenance of machines and equipment. The specialists at MB Connect Line can draw on years of experience and extensive know-how.

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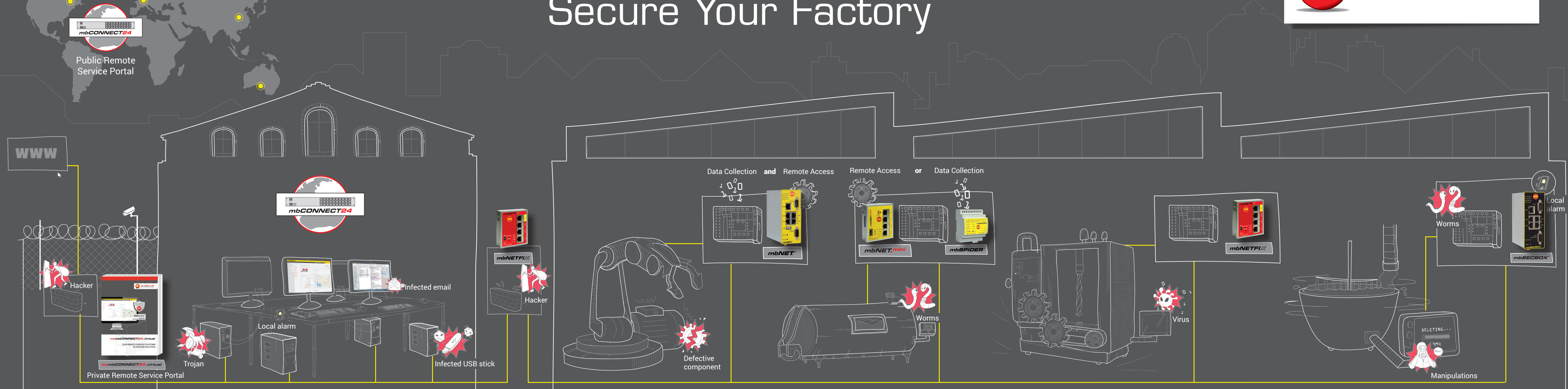
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SECURE YOUR FACTORY

Protect your
production network

Secure Your Factory

Public Remote
Service Portal

www

Data Collection **and** Remote Access   Remote Access **or** Data Collection

mbNET

mbNET.mini   mbSPIDER

mbNETFIX

mbNETFIX

mbSECBOX

Local alarm

Worms

Local alarm

Hacker

mbCONNECT24.virtual

Private Remote Service Portal

Trojan

Local alarm

Hacker

Infected email

Infected USB stick

Defective component

Worms

Virus

DELETING...

Manipulations

We Secure Access to Machine Data

with our Remote Service Portal mbCONNECT24

Lots of people may need data from the factory floor: whether at the machine supplier or the machine user, from Product Management to Quality Assurance, from Logistics to Supply Chain, it can be weights, temperature logs, rejected pieces, number of boxes or pallets, ...
How could you bring production data to those who need it, without giving them access to the factory floor?
How to preserve the cybersecurity of the machines in the production network, while integrating production data into your organization processes?

MB connect line solutions split data collection and data distribution: on one hand, the mbNET or mbSPIDER unit on the machine read data and report it to a central server, and on the other hand, the Remote Services Portal application running on that server distributes the data according to tight user access control, exports it directly into your application database or sends formatted reports to listed recipients.

We Secure Remote Services

with our routers mbNET and data modems mbSPIDER

Remote services are very useful in production, either from the machine supplier or for the factory own support team. Yet, cybersecurity of the factory network is just as important. How to make production optimization and common security guidelines meet?

Cybersecurity is at the core of MB connect line products. The solutions are tested by an autonomous certification authority and certified to have a "high level of security". They are generally approved by the IT department of the machine users.
MB connect line solutions are also designed for industrial automation people, giving them controlled, yet truly transparent, access to the machine and its network components, being Ethernet, USB or serial. The modern tools of the programming environment such as auto-discover and search functionalities are preserved, even from remote.

We Secure Machine Networks

with our firewall mbNETFIX

Industrial Control Systems like PLC's, HMI, SCADA and Drives with their reliance on proprietary networks and hardware, have long been considered immune to any kind of attacks from network or other interfaces, but, since the convergence of networks into a single Ethernet architecture, these Control Systems are now inter-connected together, connected to office networks and Internet.
How to control the accesses to the production network and the machine components?

Machines cybersecurity is a new, yet unavoidable, challenge for the industry.
Introducing the first industrial automation firewall, MB connect line helps machine builders as well as machine users to secure their networks without the need to master the complex technologies involved in cybersecurity.

We Secure Machine PLCs

with our mbSECBOX

While all IT sees cybersecurity as the way to prevent intruders to access the network, we all know that risk zero does not exist.
Can we afford the risk to see a PLC program being affected by a virus targeting automation components?

mbSECBOX addresses cybersecurity from a different angle: it keeps a backup of the PLC program memory and keeps monitoring it. If a virus (or a human) alters it, you will receive an alarm. mbSECBOX can then reset the program directly in the PLC memory, without opening the programming environment.
This is your ultimate cybersecurity defense line.