

OT Security in 2026 – a tale of ignorance, compliance and submarines

Compliance

- Policies
- Regulations
- Reporting
- Audits



State of Legacy OT Environments

60%

Approximately 60% of industrial organizations rely on legacy systems that have been in operation for over 20 years, significantly increasing vulnerability to cyber threats.

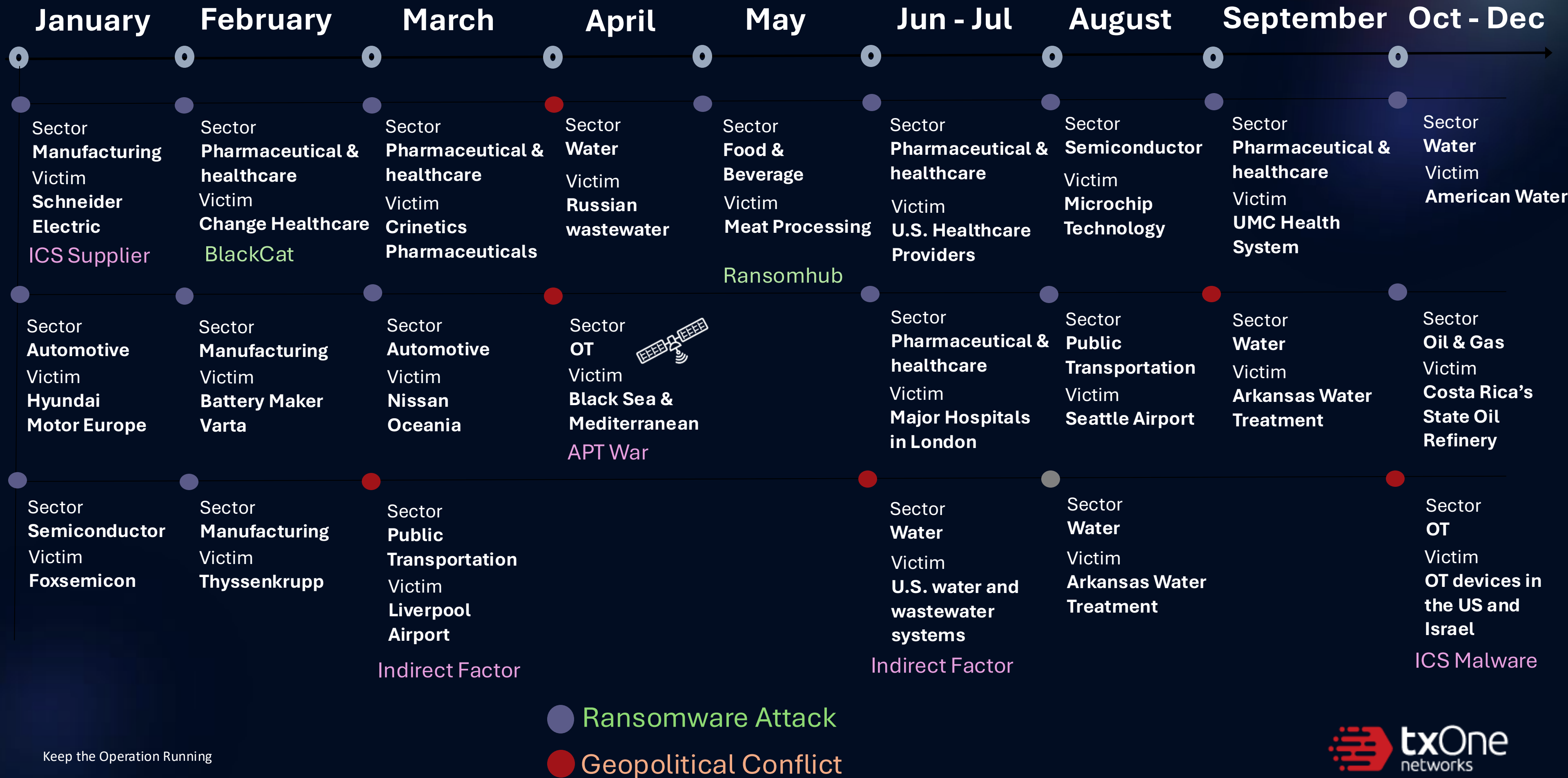
Source: Deloitte Report on Cybersecurity in Industrial Control Systems.

20 %

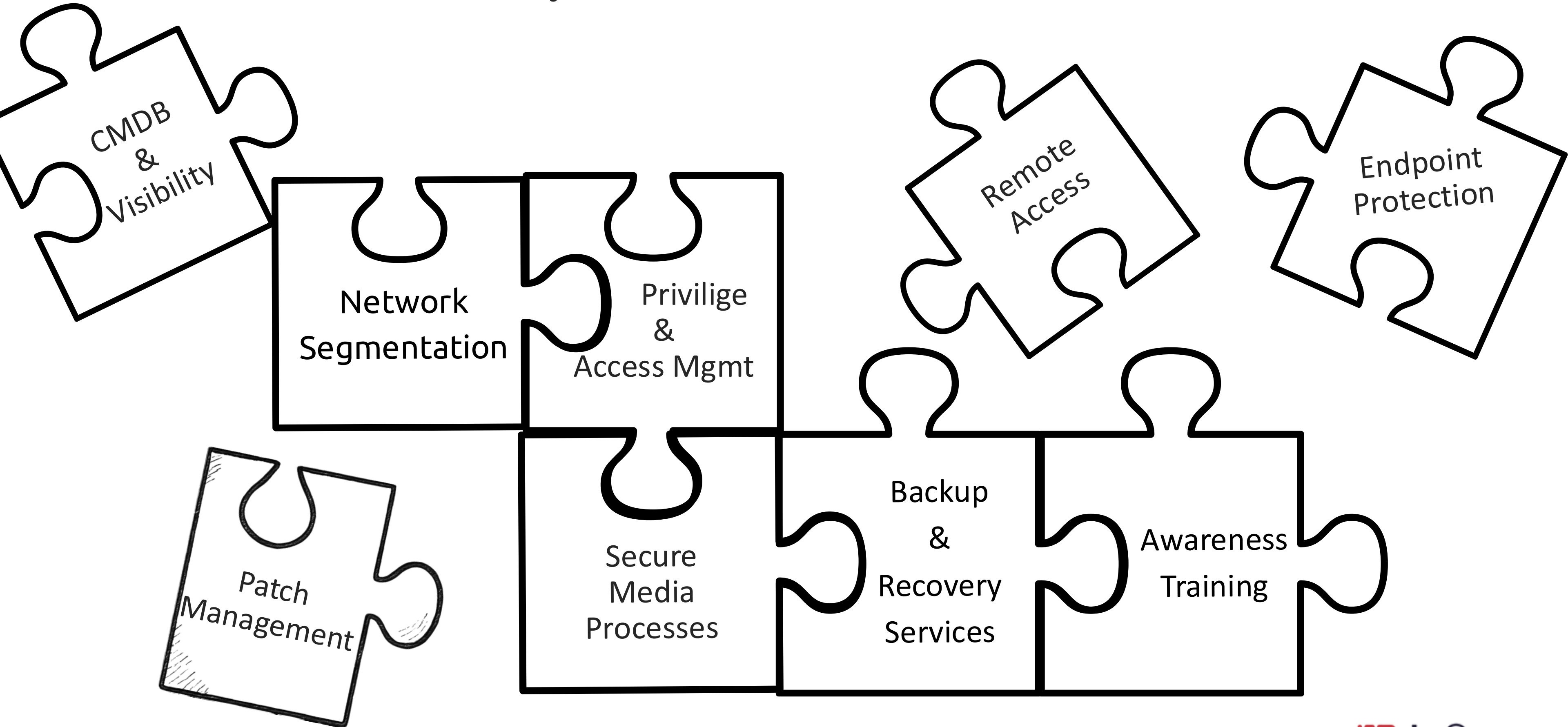
of all ICS systems are relying on outdated operating systems

Source: Censys State of the Internet Report

OT Sector Attack Overview



We have product XYZ – our OT is secure!



We are not allowed to implement endpoint protection on our machines

Operations



Service Technician



Machine Builder



We have implemented an OT-segmentation firewall

IT

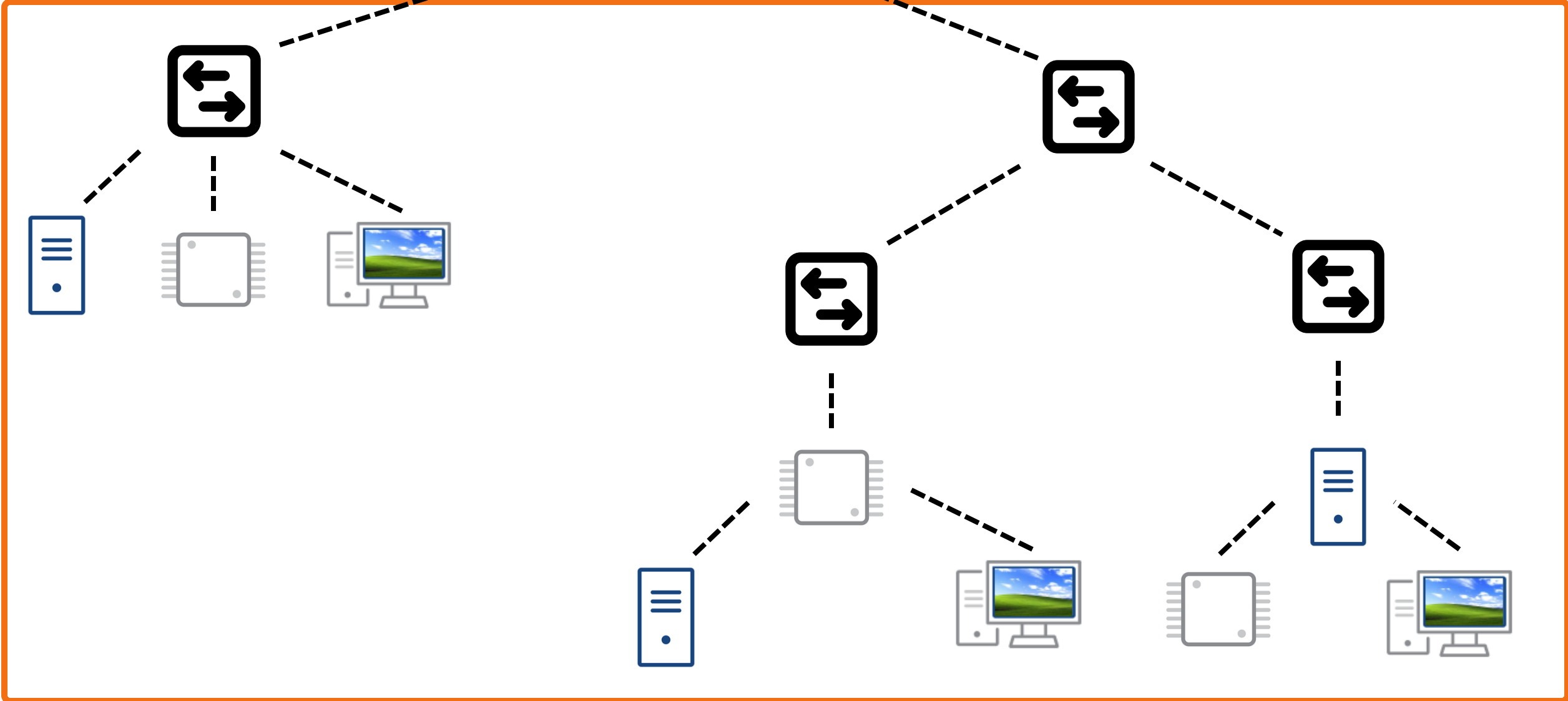
ERP

CRM

MES



OT



We banned all removable media in the shopfloor

What is removable media?



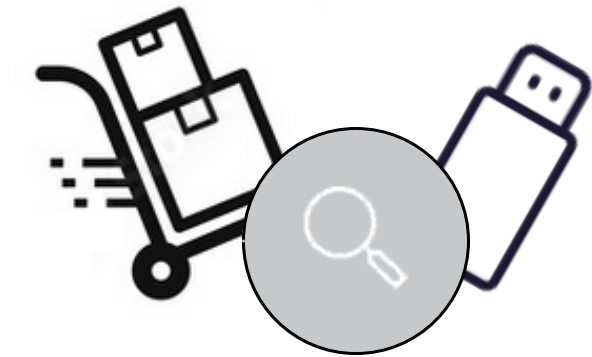
Challenges in OT



**No support
for old
operating systems**

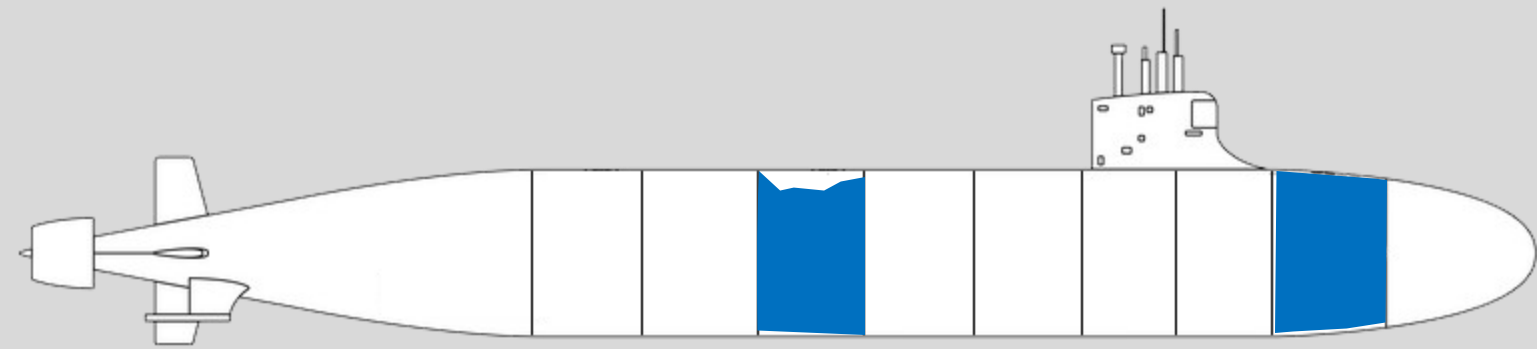
```
IPv4-Adresse . . . . . : 192.168.2.15
Subnetzmaske . . . . . : 255.255.255.0
Standardgateway . . . . : 192.168.2.1
```

**Network
Segmentation
„easier said
than done“**

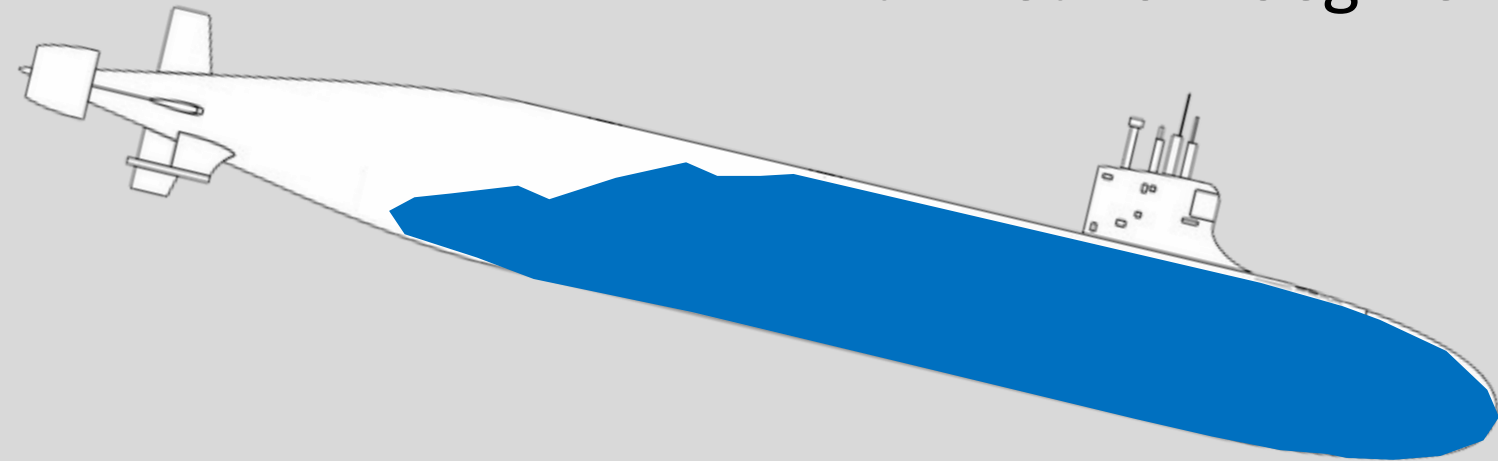


**Onboarding &
media handling**

The submarine example



With Network Segmentation



Without Network Segmentation