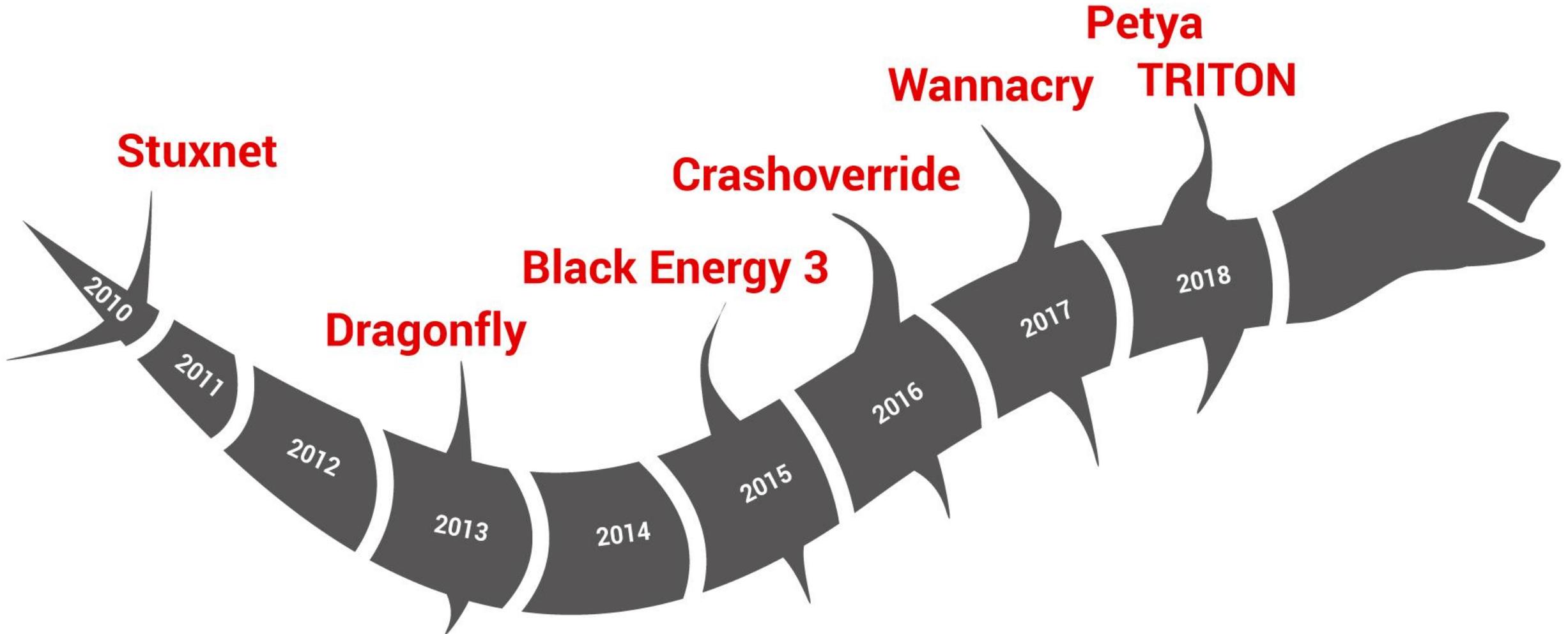


SECURITY BY HARDWARE

Hardware based Data-Diode in Industrial environments

RECENT CYBERATTACKS



WANNACRY

When: May 2017
Where: Worldwide
Scale: Global
Duration: Several Days

Cause: Ransomware
Objective: Data encryption
to demand
ransom money

-
-  Infection of more that **200,000 systems** in more than **150 countries**
 -  Exploit of Windows-vulnerability
 -  Production outage
 -  failure of scoreboards
 -  supply difficulties for hospital operators

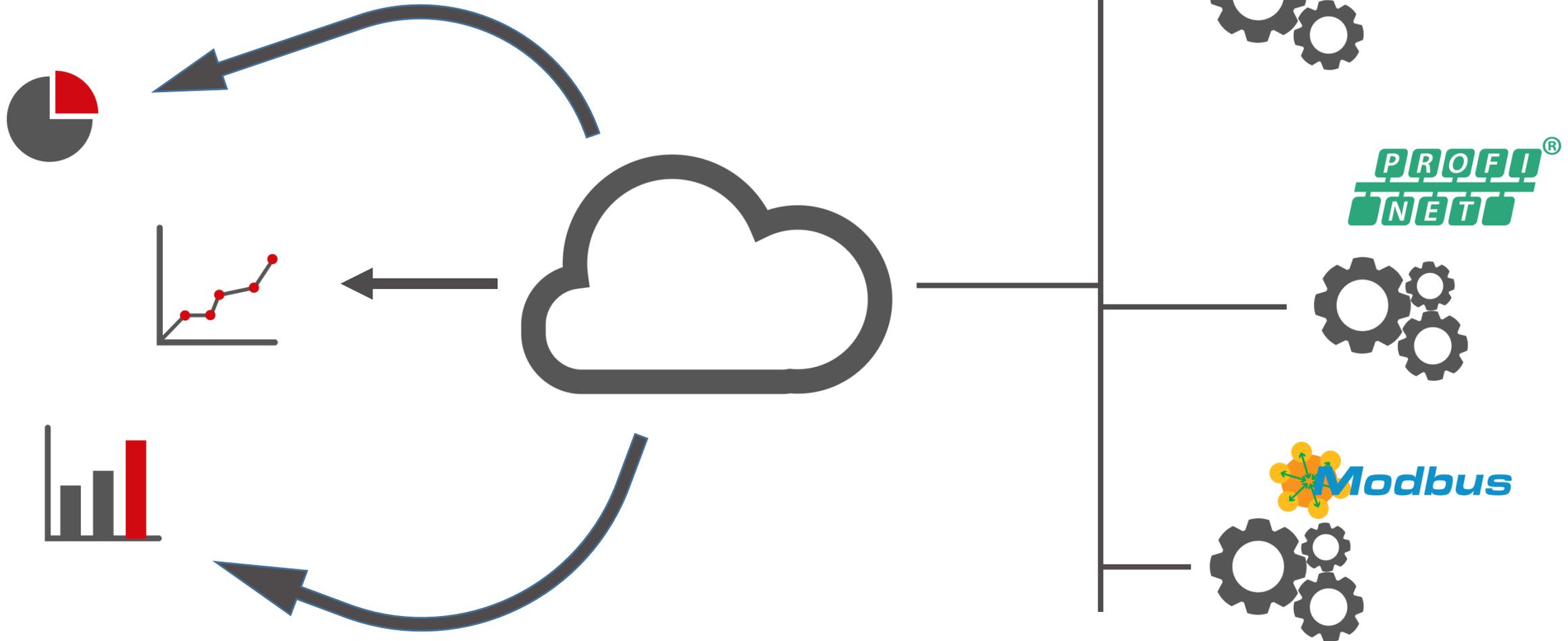
Petya

When: March 2016 - June 2017
Where: Worldwide
Scale: Global
Duration: Several Days

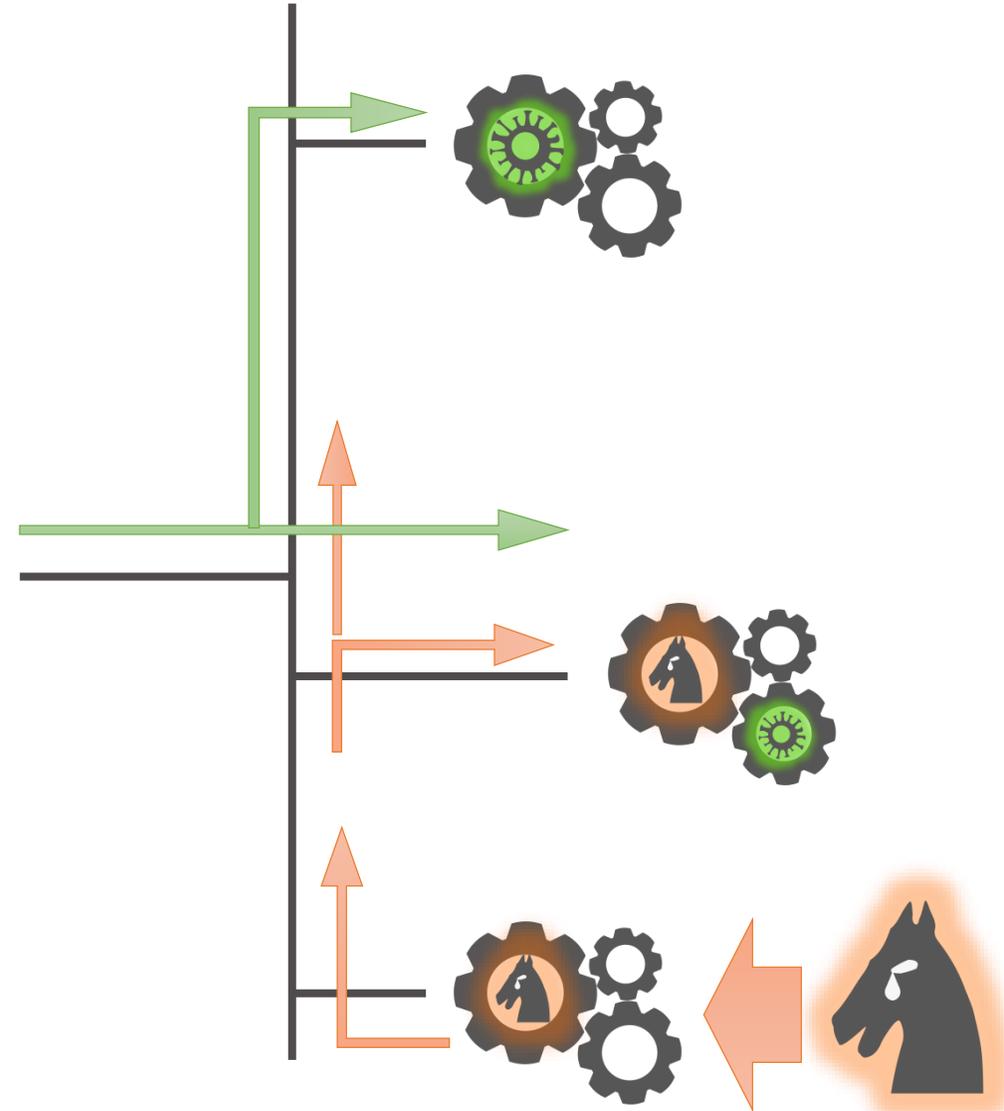
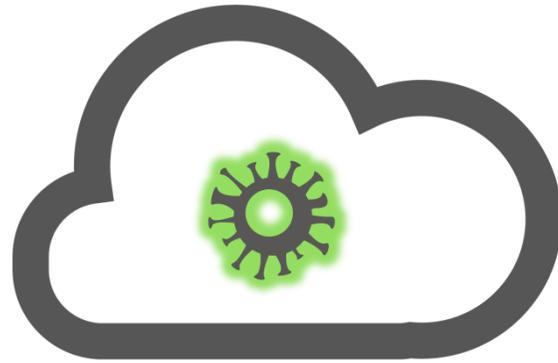
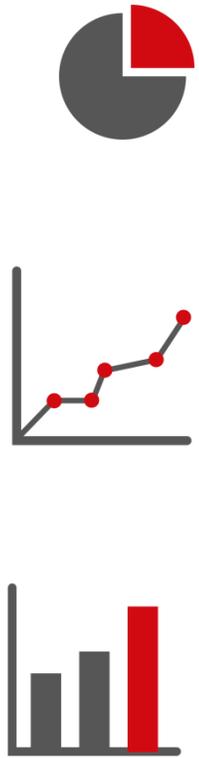
Cause: Ransomware
Objective: Data encryption to demand ransom money

-
-  Petya utilizes a payload that infects the computer's master boot record
 -  The attack cost Maersk, the world's largest container ship and supply vessel operator, up to **\$300m** in lost revenues.
Radiation monitoring system at Ukraine's **Chernobyl Nuclear Power**
 -  **Plant** went offline

Fieldbus to Cloud



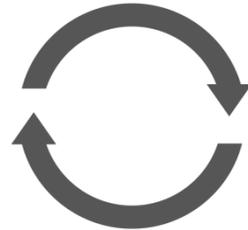
Protection from cyberattacks



Software Approach?



Even the best Software
can be attacked

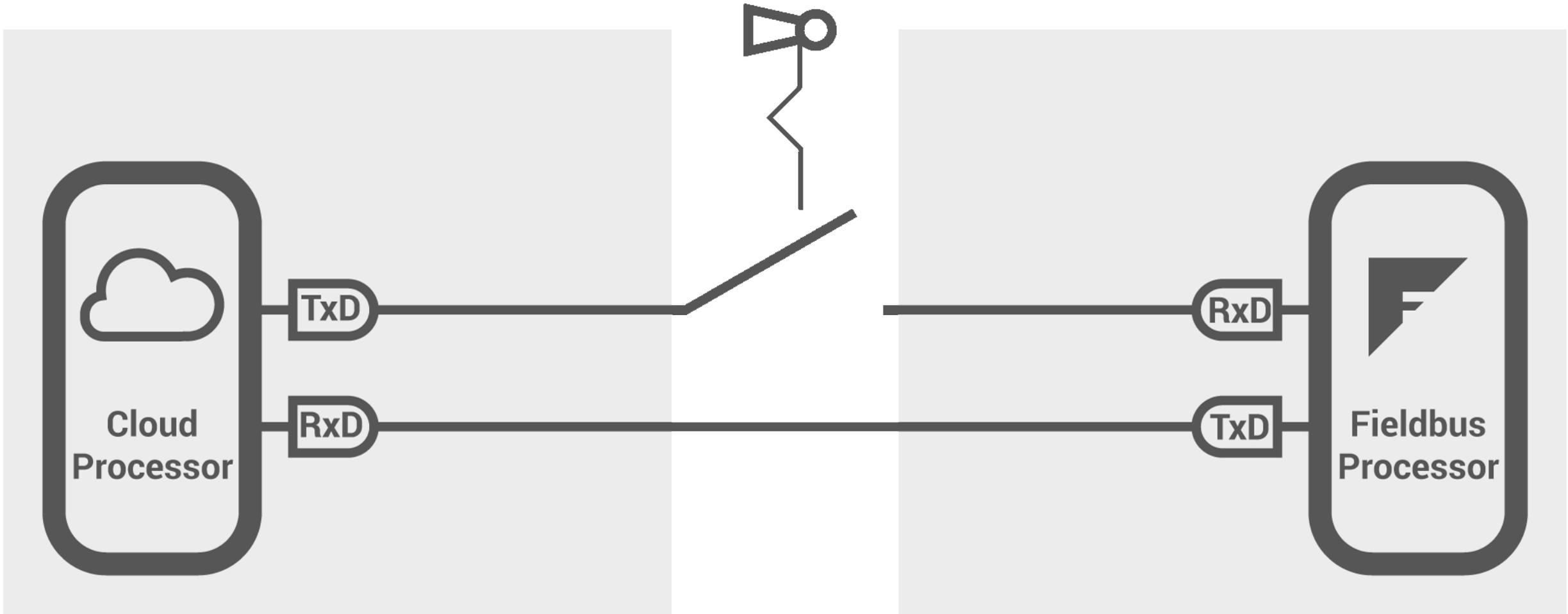


Software requires
constant updates

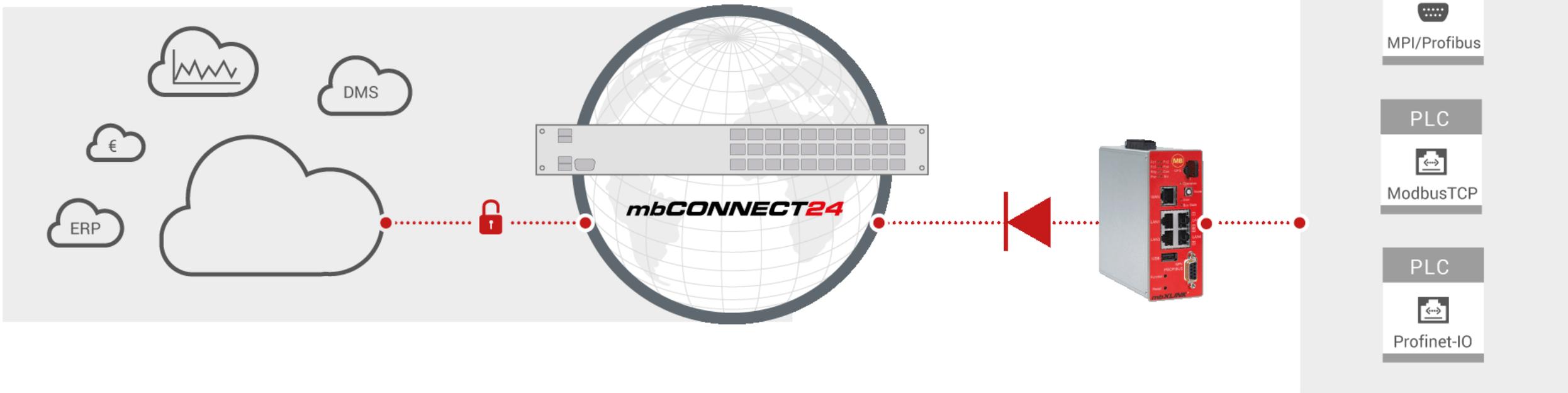


**High administrative
maintenance** for fieldbus
security

Security by Hardware



Secure Edge Gateway



MB connect line GmbH



<http://www.mbconnectline.com>



sales@mbconnectline.com



+49 9851 5825 29 0

Secure Your Fieldbus!

