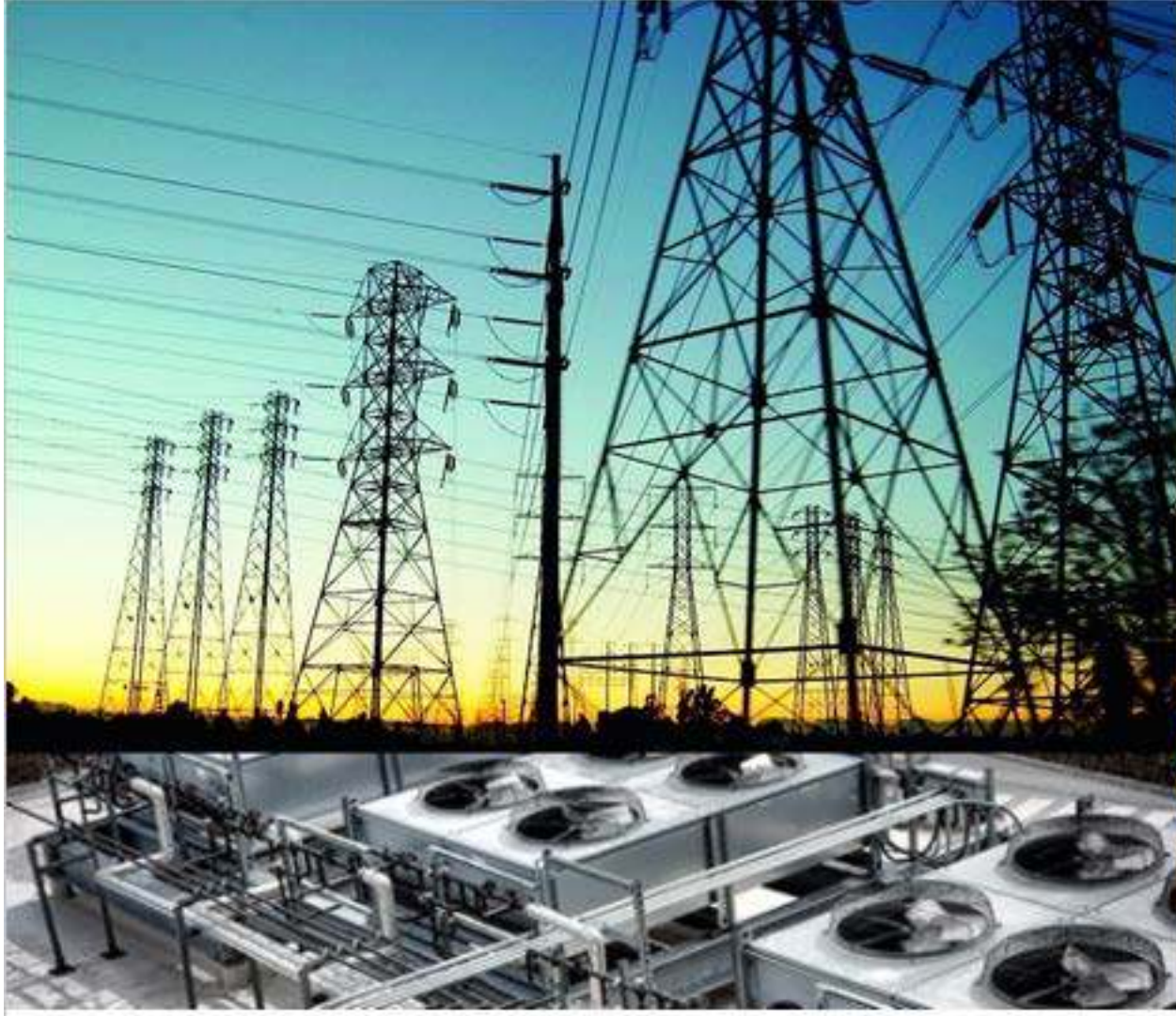


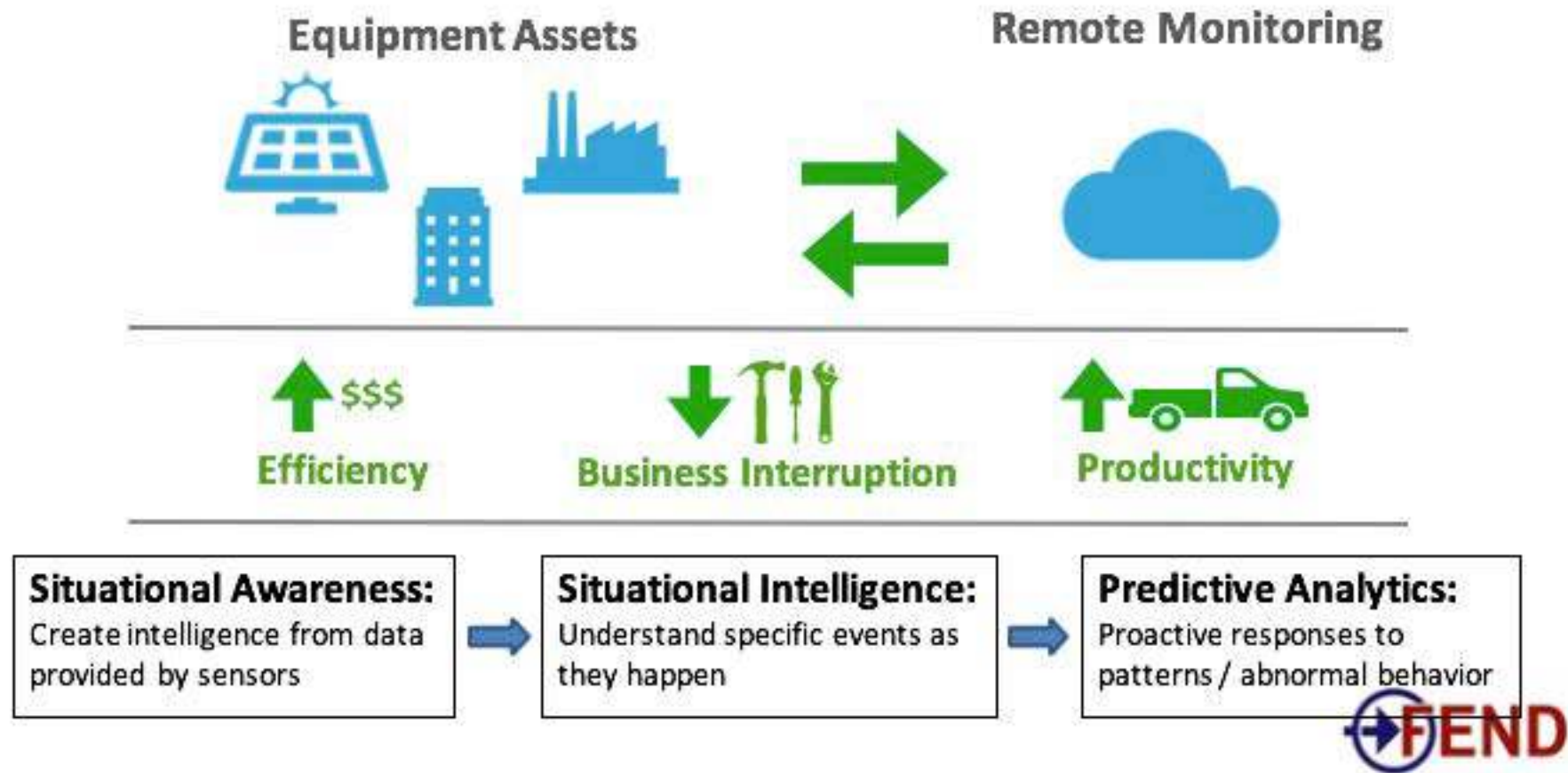


Securing Smart Infrastructure





IloT Benefits



Cybersecurity Threats



Steal Data



**Inject
Ransomware**



**Modify or Destroy
Equipment**

Defensive Techniques and Technologies



Policies and Training



Cyber Insurance



Air Gap



Dedicated Fiber



Firewalls



Software



Cloud-Based Threat Detection

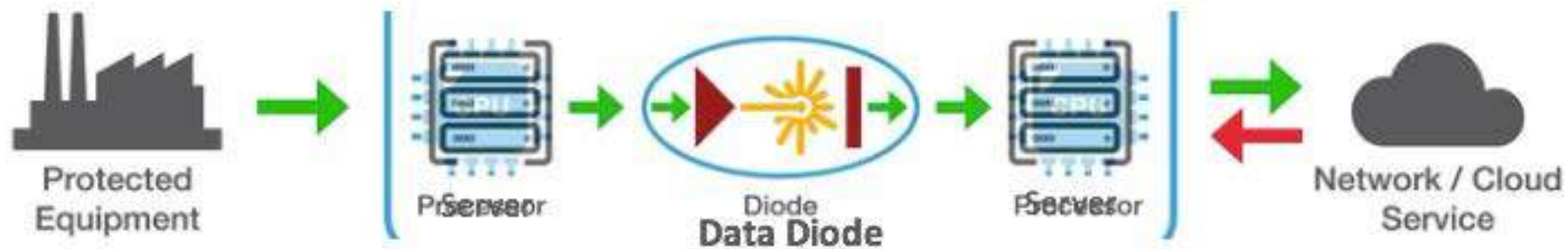


Data Diodes



Data Diodes

Data diodes stop all inbound traffic.



Benefits

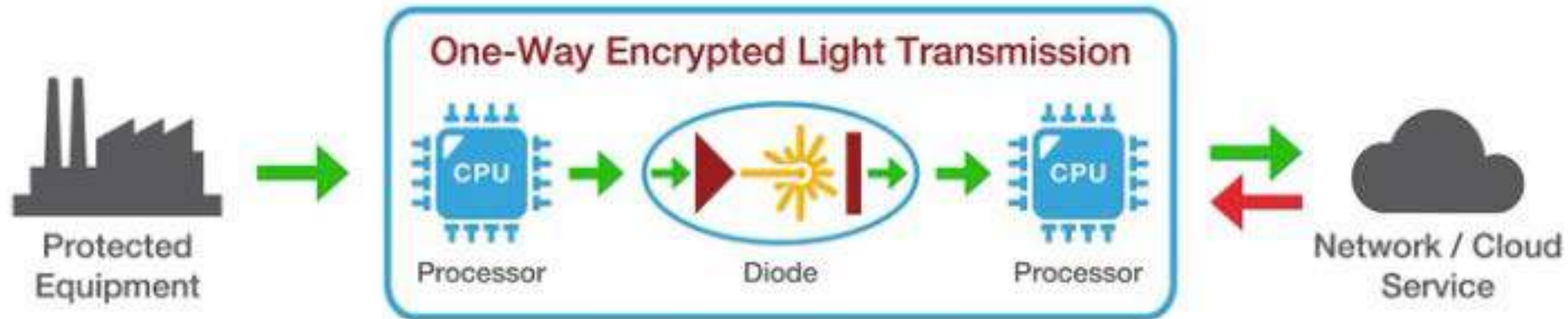
- Physically enforced one-way data flow.
- Cannot hack through network connection.
- Used by nuclear facilities, water treatment plants, refineries, and governments.

Challenges for Industry

- Oversized for equipment monitoring (data throughput up to 10 Gbps).
- Requires configuration of on-site servers by network engineers.
- Pricey: \$30k to over \$100k per connection.



Diodes: Physically -Enforced Data Protection



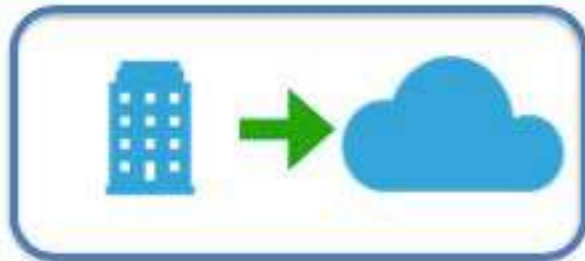
Industrial Data Diodes



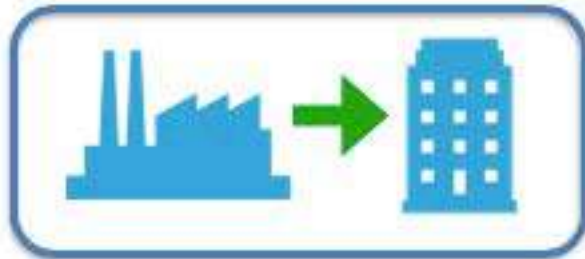
- Next generation: low cost, no maintenance, on-board processors
- Ideal for IIoT equipment monitoring
- Serial or ethernet connections for new and legacy systems
- Plug-and-play installation
- Can bring legacy equipment safely into the cloud
- Made in the USA



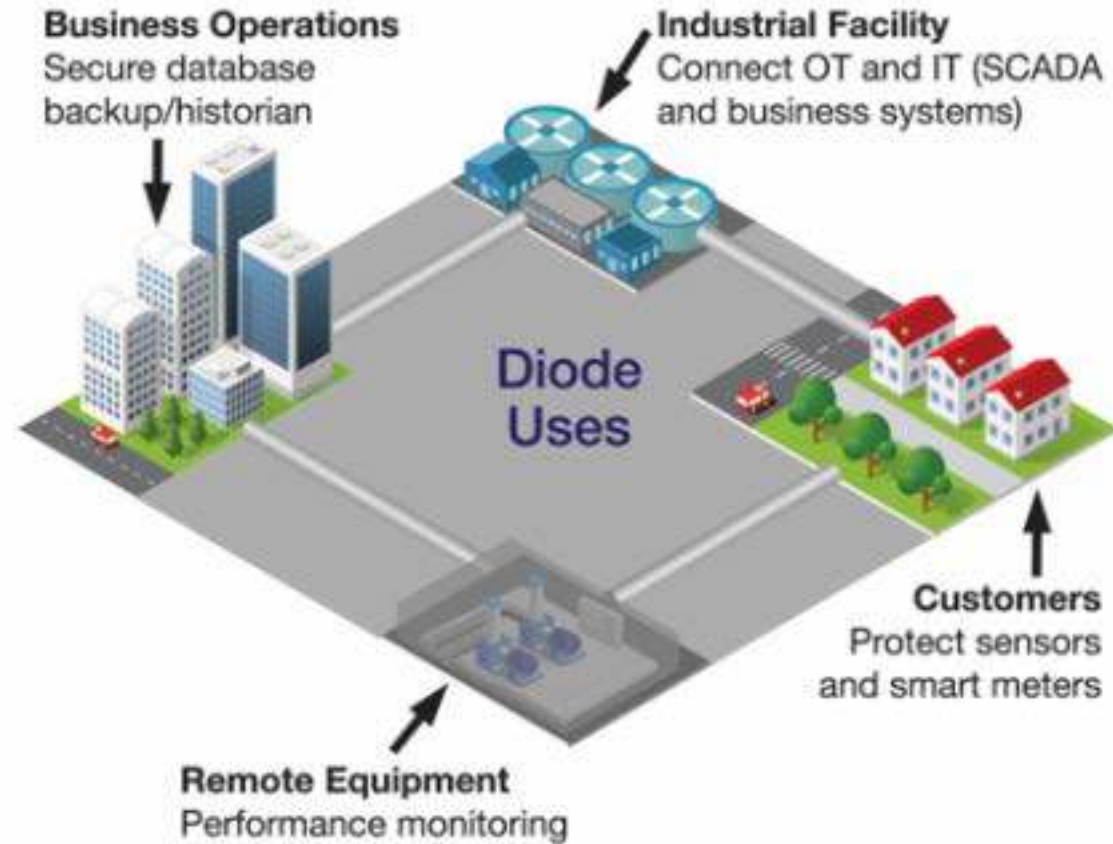
Data Diodes: Use Cases



**Remote Monitoring
and Analytics**



OT-IT Data Historian



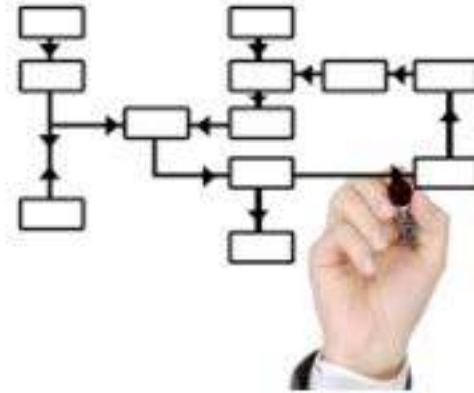
What You Can Do Now



Get IT and OT Talking



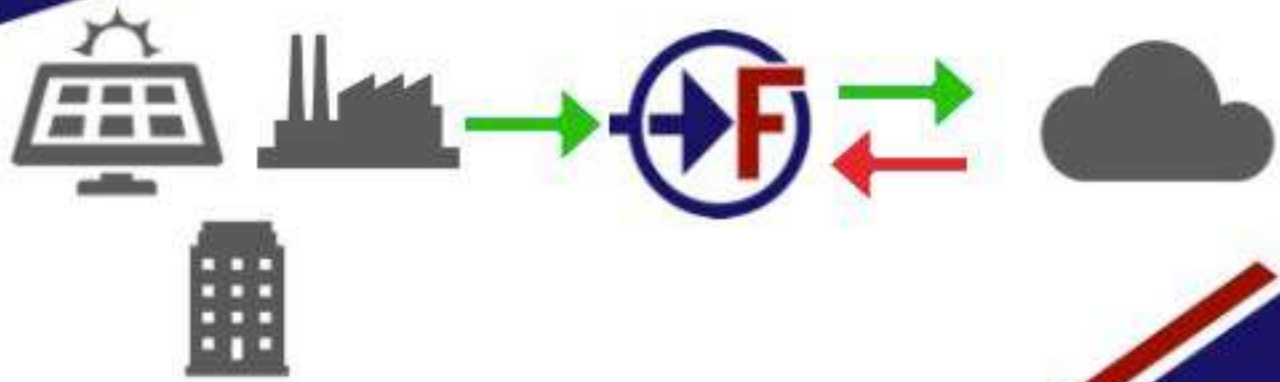
**Add Cybersecurity to
Procurement**



**Plan and Practice for
Cybersecurity Events**



Thank You



info@fend.tech
571-970-1382
www.fend.tech