real time data. real time decisions.™

About Aware360

Founded in 1993, Aware 360 began its real time decision-making focus in 2005, working with the Province of Alberta to create digital connectivity for monitoring Commercial Vehicle Enforcement Branch Officers.

Aware 360 is at the center of today's Internet of Things developments, providing real time monitoring that help our customers manage their people, places and things with optimal efficiency.

We integrate our advanced real time monitoring technologies into virtually any real-world scenarios via modem, smart phone, sensor or other device.



We meet our clients' most demanding needs.

30000

Events per day

15000

People, places and things



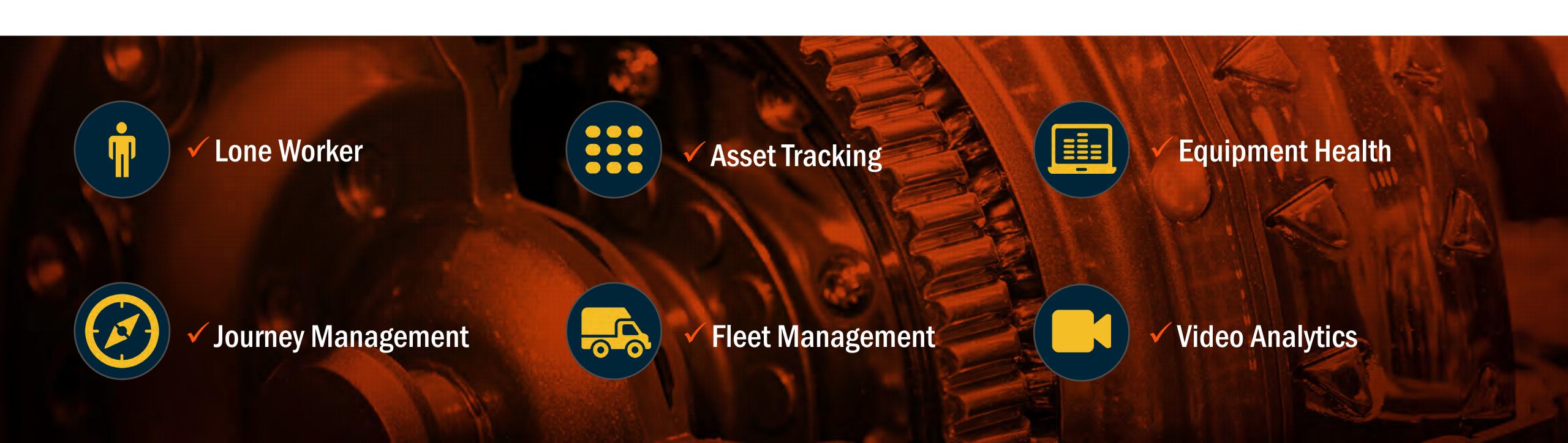
115

Clients



50

Employees

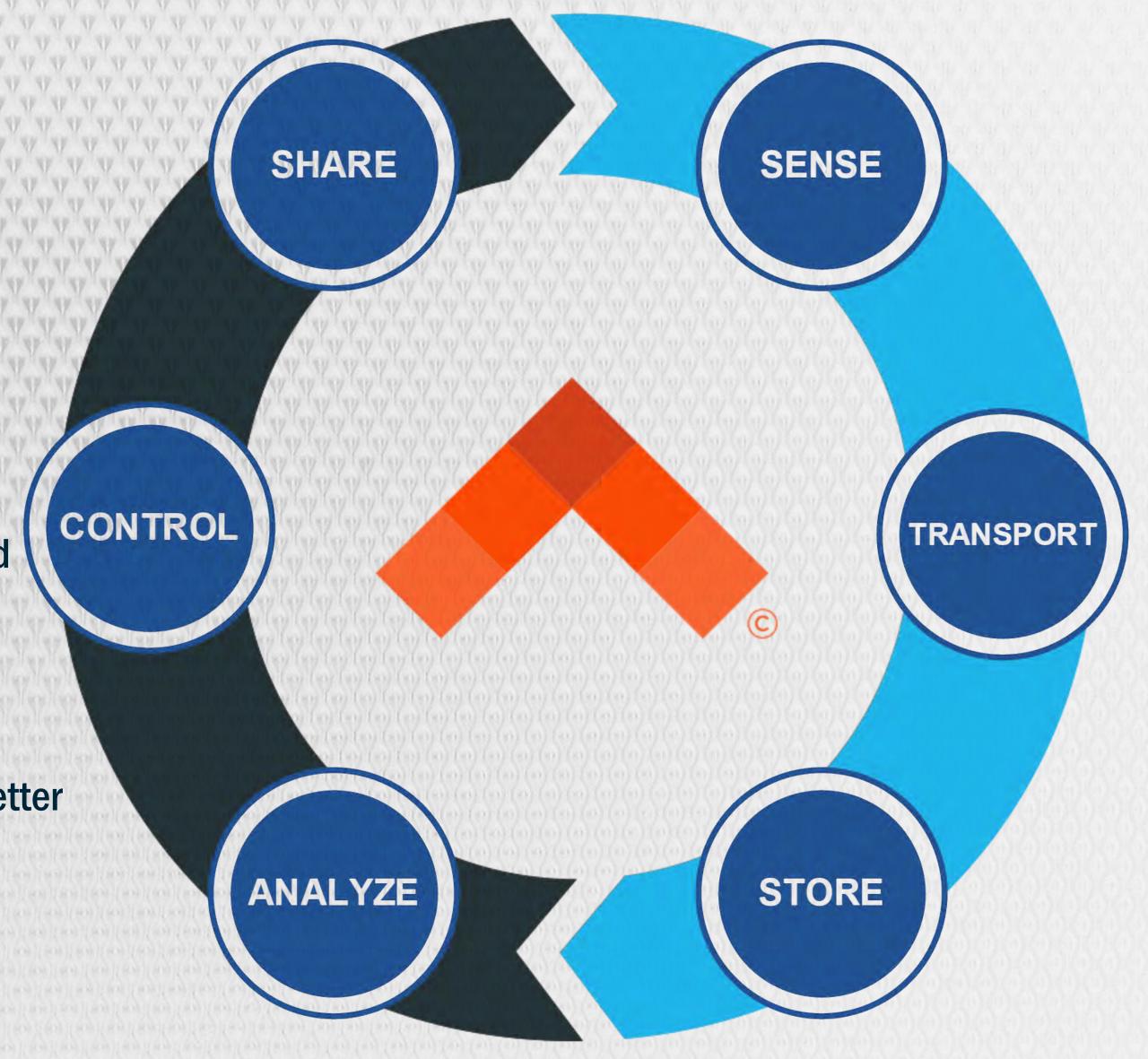


The Internet of Things

✓ "A connected asset must be able to sense something about it's
surroundings, this might be location, proximity, altitude,
temperature, vibration, humidity, light levels, or motion."

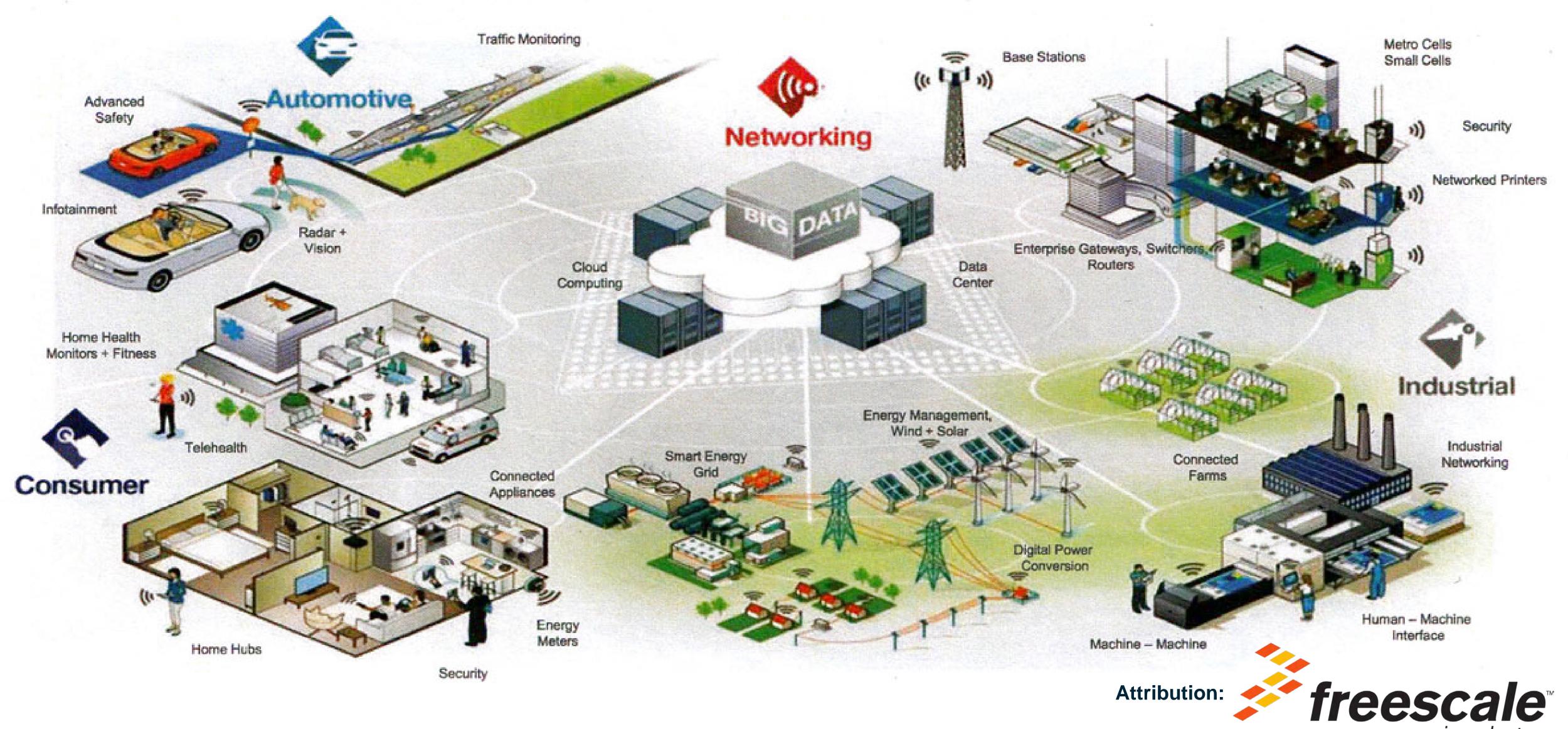
✓ "The data processed from a connected asset must be transferred to a central location or processing application automatically."

- ✓ "IoT isn't just about gathering data; it's about using it to make better decisions."
 - ✓ It must be actionable!





Estimated Value of IoT by 2025: \$3.9 to \$11T US Across 9 Use Cases



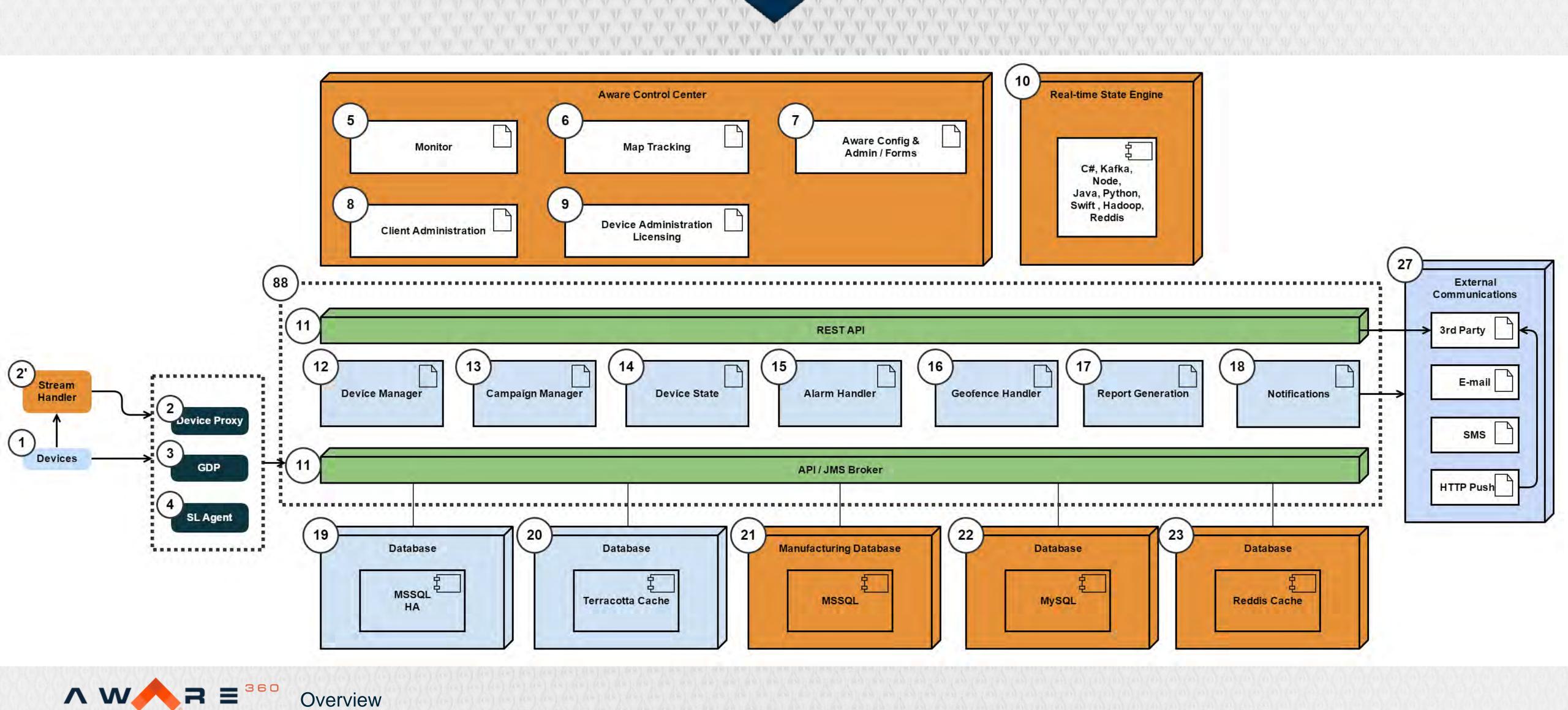
semiconductor

Implementation Challenges in IOT Deployments



- Many different standards
- Lack of integrators for solution implementations
- Security and privacy blockers
- Development of use cases and return on investment
- ✓ Involvement of IT and OT
- Changing the way companies approach problem solving
- Understanding of available technology

Our architecture enables us to quickly meet customers' needs

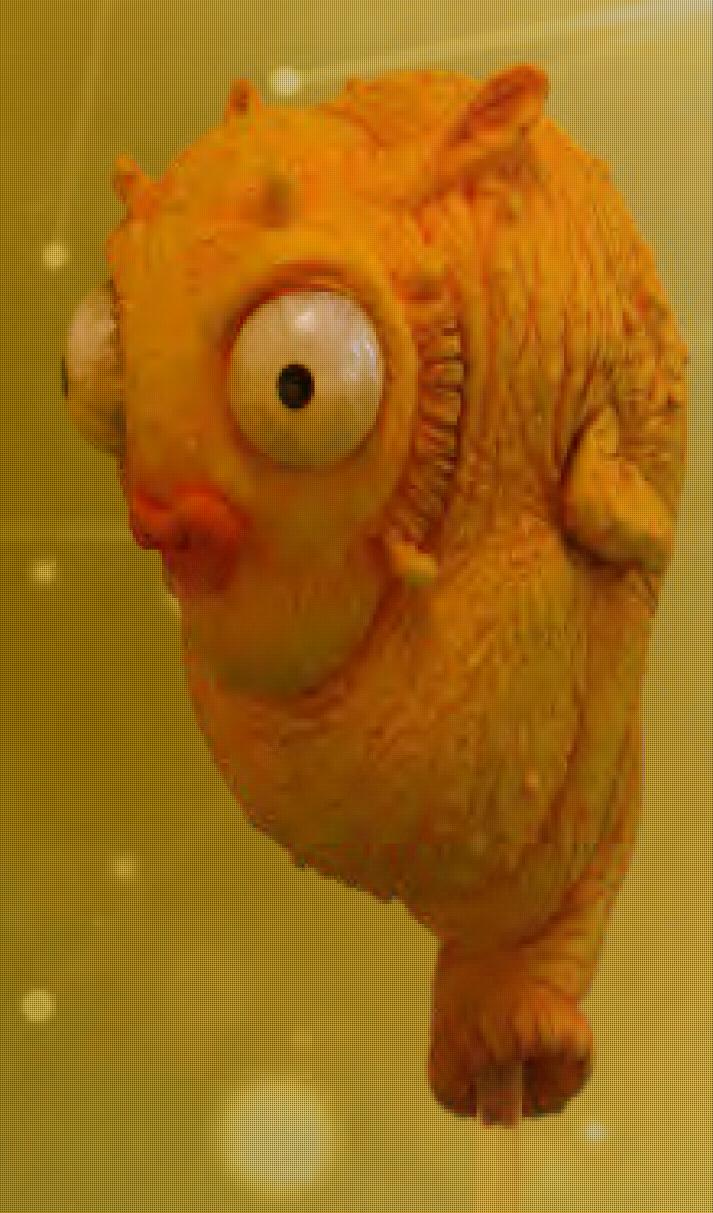




Standards - Not a "One Size Fits All" World

- **✓ MQTT light weight pub/sub, IBM/Eurotech**
- ✓ CoAP Constrained Application Protocol, is a doc transfer protocol with small packet sizes
- RESTAPI
- AMQP
- STOMP
- Avro used by Hadoop as internal protocol
- ✓ Thrift created by FB now Apache licensed
- **✓ GPB Google Protocol Buffers**
- Proprietary
- Etc, etc, etc, etc.....

- Processing Required And Where
- **Connectivity to the Software**
- **✓** Power of the Device BLE etc.
- Small CPU Light Weight Protocol
- Problem to be Solved
- Communication Chosen



Security – This Will Make or Break loT in Your Company



- **✓** Facility security SSAE 16 SOC1
- ✓ Two firewalls HW and SW
- ✓ Segmented VLANs for public and internal traffic
- ✓ Command-and-control traffic restricted by port and IP
- Encrypted VPN only
- ✓ 128-bit minimum encryption on data at rest
- **✓** System monitored 24x7x365
- Encryption on data in transit to the edge device

Become Aware today. We are here to help you be successful with your clients.

Put the power of Aware 360's solutions to work for you.

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Executive Vice President