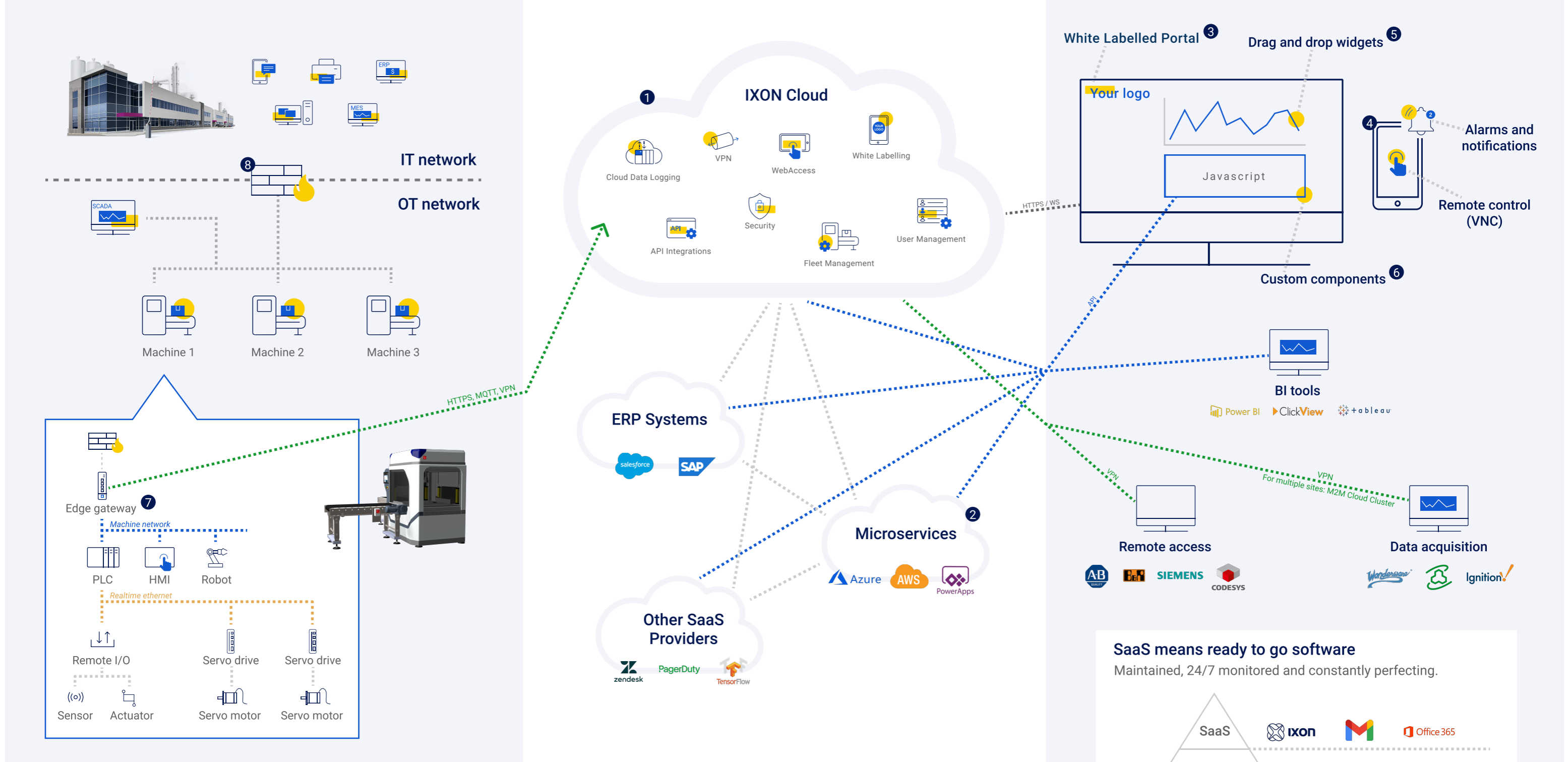


Edge - in the factory

Cloud

Value



The IXON Cloud 1 offers everything a modern machine manufacturer needs, including open API's to ensure "future-proofing". Microservices 2 can be used to implement server-side code to implement specific features or to glue different cloud providers together. End users can login directly in your portal, to remote control the machine or to view machine information. The portal can be easily white-labelled 3 and be published in app stores 4 as your own App. The portal user interface can be customized using drag & drop 5 with an always growing number of components, or a Custom Component 6 can be developed to create specific views or to interact with other sources. The IXrouter Edge Gateway 7 connects a machine from a production plant secure to the Cloud. The IXrouter edge gateway is able to pull data using one of the following protocols: OPC-UA, EtherNet/IP, Modbus TCP, Siemens, MELSEC, and BACnet/IP. Alternatively data can be pushed to the gateway using a plain TCP protocol. The gateway also acts as an firewall to separate/protect all equipment inside the machine from the local IT/OT network. As an additional security layer often the OT network (machines) is isolated from the local IT network. 8

**SaaS means ready to go software**  
Maintained, 24/7 monitored and constantly perfecting.

**SaaS:** ixon, Google, Office 365

**PaaS:** Azure, AWS

**IaaS:** Rackspace, DigitalOcean

This reference framework is reviewed for technical accuracy and conforms to the ISO-27001 and IEC-62443 security guidelines.