

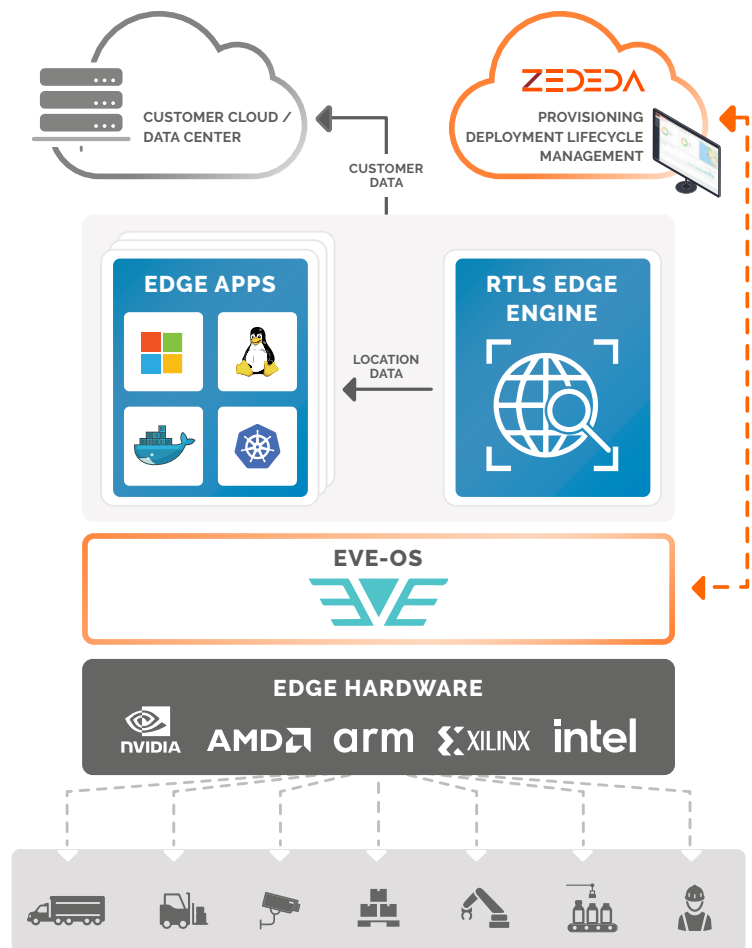
Secure Orchestration for Location-Aware Edge Applications

In today's dynamic production environments and disrupted supply-chain, real-time locating services are important means to ensure a resilient material supply and efficient, sustainable operations. Knowing where things and people are is key to making informed decisions and AI-driven optimizations.

In order to provide seamless real-time locating services in edge computing solutions, ZEDEDATA and Flowcate have joined forces, in the framework of omlox, the world's first open locating standard. The collaboration exposes comprehensive, real-time location data to edge applications so decisions can be made rapidly with local context.

omlox, unifies location data from all positioning technologies and enables vendor-independent locating of trackables without boundaries. It leverages all locating technologies, making Industry 4.0 and smart factories a reality. omlox is hosted by the PROFIBUS & PROFINET International - PI, with 1.700 members, the largest association for industrial automation.

ZEDEDATA's orchestration solution for distributed edge computing provides a secure, scalable foundation for OEMs, system integrators and end users to deploy and manage the premier omlox-compliant locating middleware DeepHub® provided by Flowcate, together with any combination of additional edge applications. The solution is ideal for delivering benefits such as visibility, operational efficiency and worker safety to production sites, warehouses and transportation operations by enabling fusion of real-time sensor and location data with edge applications.



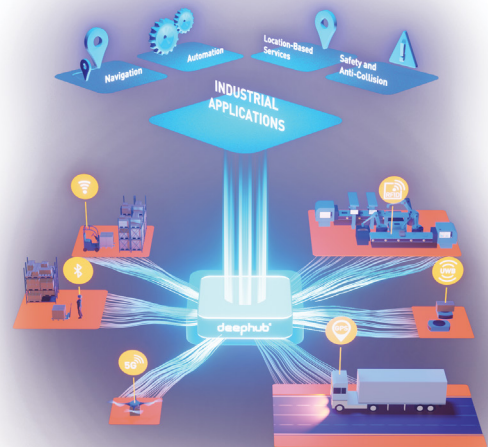
Benefits

- Seamless location services, delivered in an open, standardized and future-proof manner.
- Zero touch provisioning for choice of edge hardware and Deephub services, alongside any combination of additional edge applications. Example applications include containerized data normalization services and AI/ML models and legacy Windows-based software such as SCADA, HMI, and Historians running in virtual machines.
- Zero trust security from edge silicon to cloud, including capabilities like root of trust, crypto-based ID, remote attestation, data encryption, and distributed bi-directional per-app firewall.
- Provision of harmonized, geo-referenced location-data and location-events to business applications like Warehouse Management (WMS), manufacturing execution (MES), enterprise resource planning (ERP) or business intelligence (BI).
- Realtime fusion of locating data for time-critical or safety-related applications on the shopfloor, in warehouses or on yards.
- Seamless integration of any locating and identification technology - no matter which vendor is being used via standardized APIs.

Flowcate

Flowcate is a global technology company focused on reshaping how location data is used in IoT. Based out of Germany, they have been pioneers in location-based service solutions and geospatial expertise since 1998.

As a key founding member of the omlox standard, Flowcate provides the premier omlox-compliant middleware – the DeepHub®.



The DeepHub enables organizations to integrate location data from all positioning technologies and providers in an interoperable manner, and to enhance their products and solutions for process automation and location-aware use cases. The DeepHub allows for seamless tracking of assets across indoor and outdoor environments, and the management of all process steps within networked supply chains through technology-independent geofencing functionalities.

ZEDEDA

ZEDEDA is a SaaS-based orchestration solution for remotely securing and managing edge hardware and applications at scale. It delivers remote visibility, control and security for edge computing deployments, with choice of any applications and hardware. The built in app marketplace enables OEMs and End Users to build tailored solutions. ZEDEDA extends the public cloud experience into the field, enabling developers while meeting the needs of operations in terms of uptime, safety and security.

PROFIBUS & PROFINET International (PI)

The foundation of omlox is built upon an ecosystem of partners growing at a rapid pace and is managed by PROFIBUS & PROFINET International. The member companies span a variety of backgrounds - ranging from software and hardware companies, system integrators, and solution providers.

