



OpenIoT Fog



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FOG

MAKING YOUR SHOP FLOOR INDUSTRY 4.0 READY

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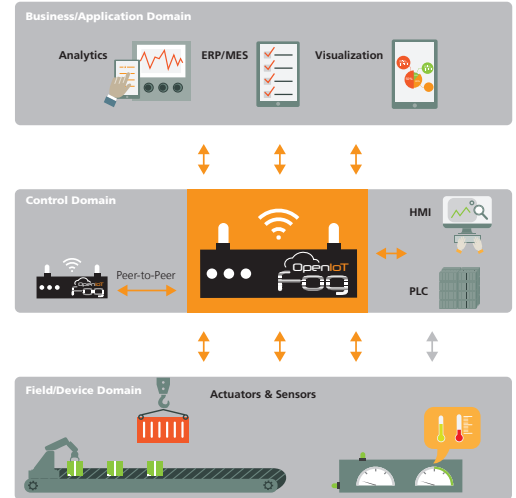


STANDARD BASED PROGRAMMABLE DIGITAL NETWORKING

In ever shorter intervals customers demand new, individual, yet inexpensive products. As a result, the whole value value chain gets digitized. Real and virtual objects merge into one Industrial Internet of Things (IIoT).

Available platforms for vertical use cases, however, are manifold and potentially lead to a vendor lock-in. By implementing recent standards and incorporating results of latest discussions within relevant initiatives and research communities, the OpenIoT Fog framework provides a provider-neutral prototype to retrofit industrial systems towards programmable and autonomous systems.

It allows you to gain experience with different wired/wireless connectivity mechanisms, generates the first added values by aggregating heterogeneous data (digital twin) using standard based approaches and allows to process and analyze data at the network edge achieving highest levels of security, privacy and scalability and ultra low latencies.



Exemplary use cases include NB-IoT/LoRa interconnected fog nodes and distributed predictive maintenance applications.