Insight

Intelligence at the Edge

Innovation requires gathering information about people, places, products and more, analyzing the data for insights, and adjusting processes accordingly to better serve consumer needs and business goals.

The intelligent edge takes this process — which is traditionally time-consuming, costly and complex — and puts it into practice at the source.

How it works

Intelligent edge technologies typically combine Internet of Things (IoT) devices with rugged, powerful edge computing hardware and Artificial Intelligence (AI) capabilities to enable immediate data analysis for responsive change.

IoT/IoT devices
(sensors, cameras, smartphones)

IoT devices such as sensors and cameras receive data from the environment.

Edge computing

Edge computing allows the data to be analyzed immediately on-site — no need to send it to a cloud or data center.
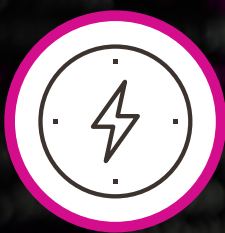
AI

AI and machine learning complete the process, turning data into insights and insights into immediate action.

Intelligent edge technologies

- Agriculture
- Manufacturing
- Healthcare
- Utilities
- Transportation
- Commmunications
- Retail
- Cities

The intelligent edge is transforming operations globally, impacting business processes, health outcomes, community resources and more.

Technical benefits of the intelligent edge

- Faster actionability
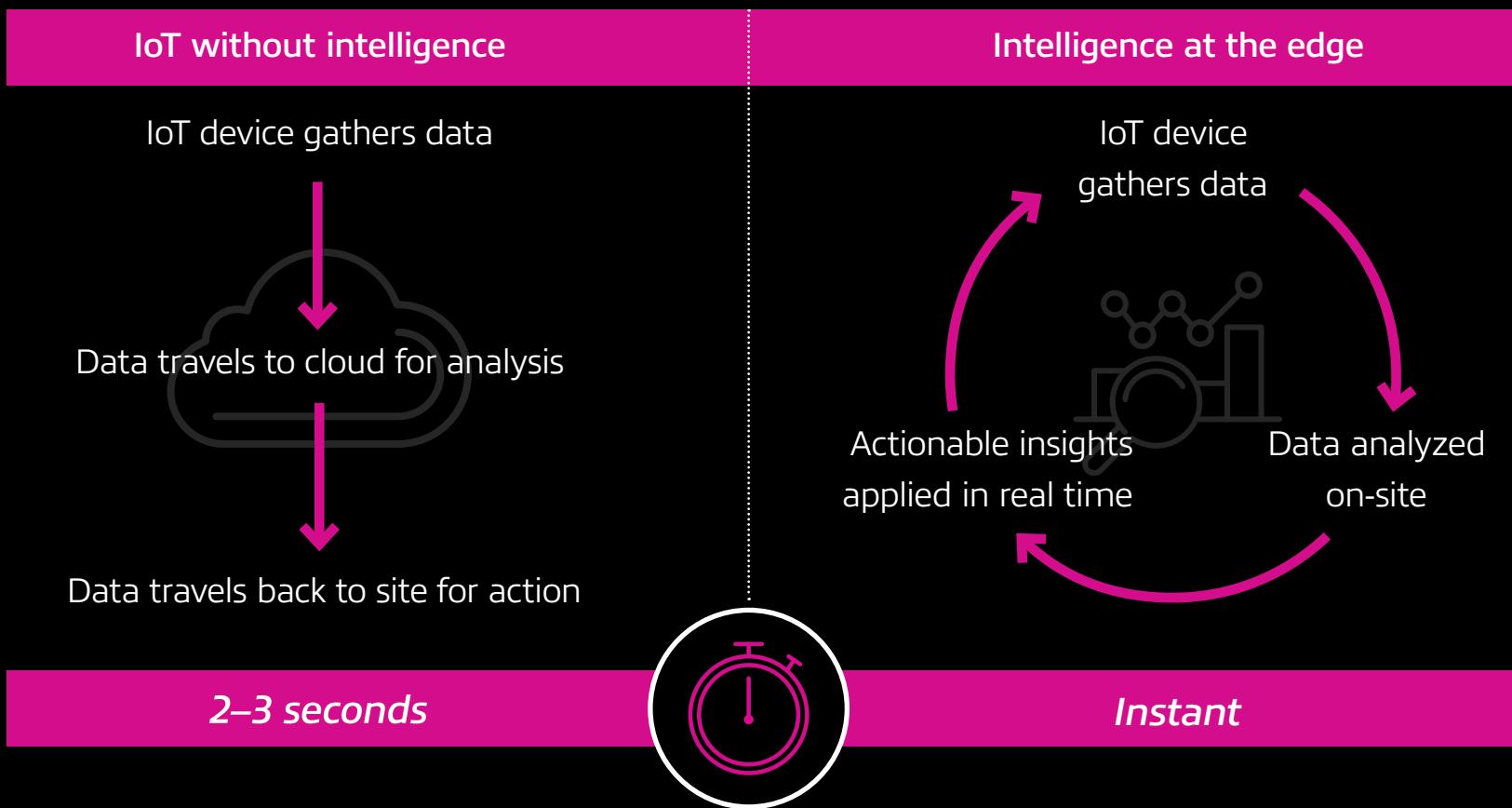- Functionality without connectivity
- Optimized cloud utilization
- Reduced bandwidth and costs

Implementing intelligent edge solutions lets you apply AI and machine learning to respond to business-critical insights in real time.

IoT without intelligence	Intelligence at the edge
IoT device gathers data	IoT device gathers data
Data travels to cloud for analysis	Data analyzed on-site
Data travels back to site for action	Actionable insights applied in real time
2–3 seconds	*Instant*

Business results

- Enrich user experiences.
- Optimize business practices.
- Accelerate innovation.

Infinite possibility is here.

Partner with Insight to discover what intelligent edge technologies can do for you. From idea to deployment, the intelligent edge is within your reach.

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