
AWS
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# Modernizing industrial automation workloads


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# Agenda

What’s OT?

Cloud-related OT challenges

Bringing the cloud to OT

Taking OT to the cloud

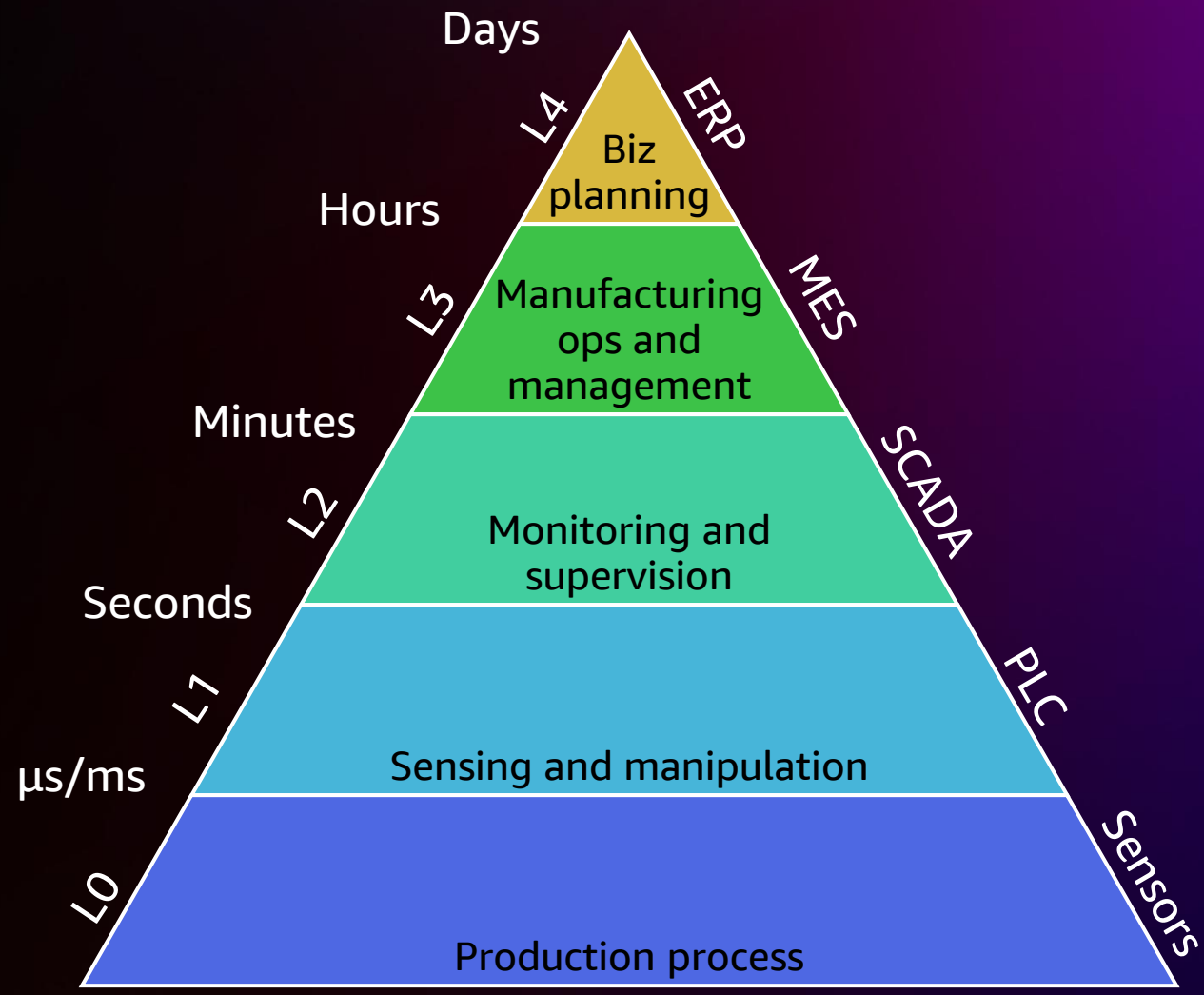
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# What’s OT?

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# What's OT?

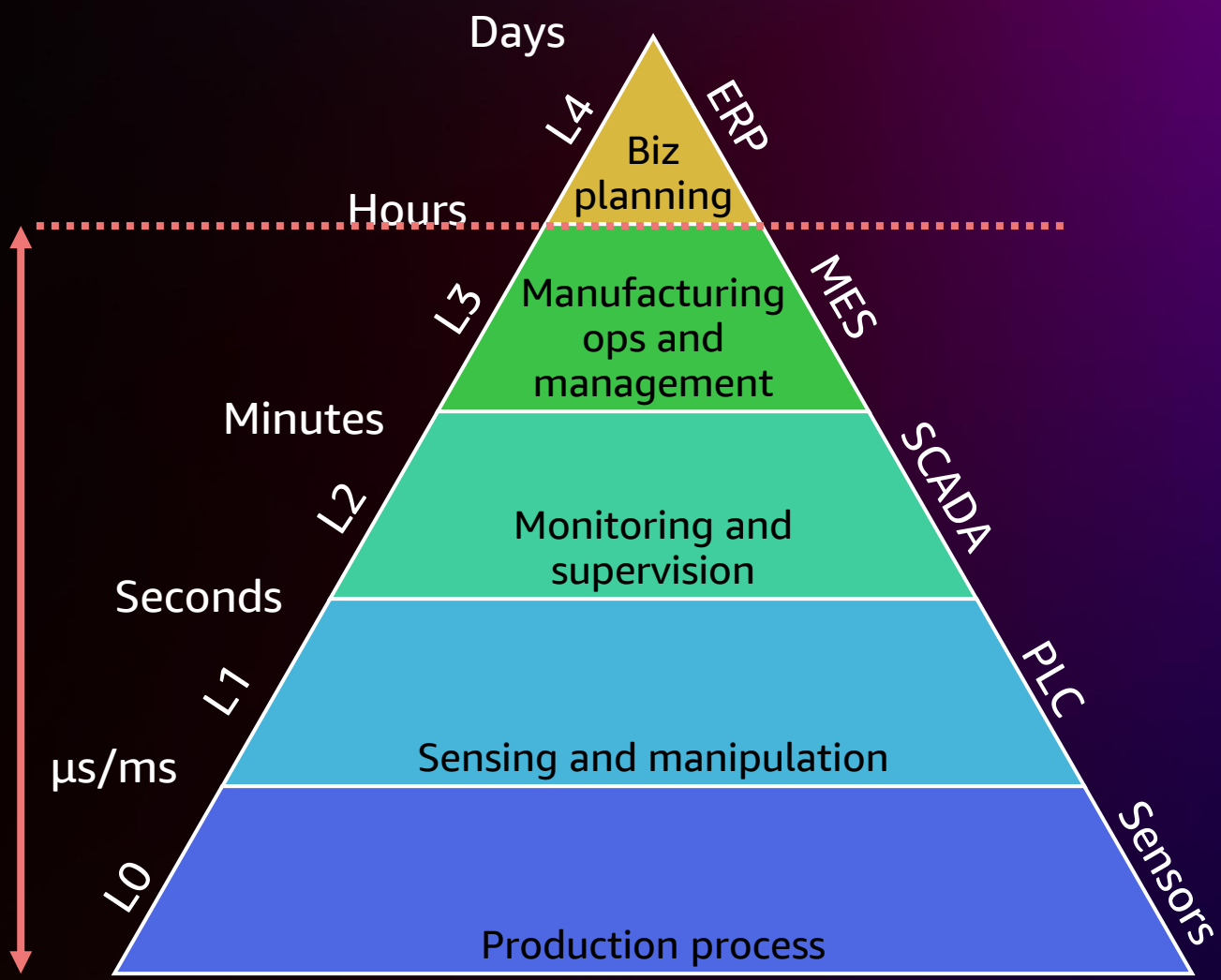
- Operational technology (OT) is hardware and software that detects or causes a change through the direct monitoring and/or control of industrial equipment, assets, processes, and events (Gartner's IT Glossary)
- Shaped by the Perdue Model, defined by ANS/ISA-95 and IEC 62264




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# What's OT?

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- Everything below Level 4




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# Where’s OT?

- Pharma
- Pulp and paper
- Metal and mining
- Energy
- Industrial manufacturing

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# Where’s OT?

- Pharma
- Pulp and paper
- Metal and mining
- Energy
- Industrial manufacturing
- And more…
  - Building automation
  - Forecourt operations
  - Safety systems
  - Smart cities

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# Cloud-related OT challenges

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# Cloud-related OT challenges



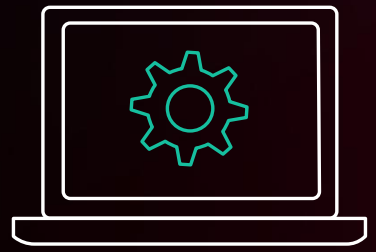
## Latency

How can you process data and signals in µs intervals?



## Protocols

How do you support OT with its hundreds of different protocols and standards?



## Legacy support

How can a new world of modern applications coexist with legacy systems?



## Data silos

How can traditional data silos be used to enhance analytics and operational excellence?

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# Bringing the cloud to OT

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# Bringing the cloud to OT

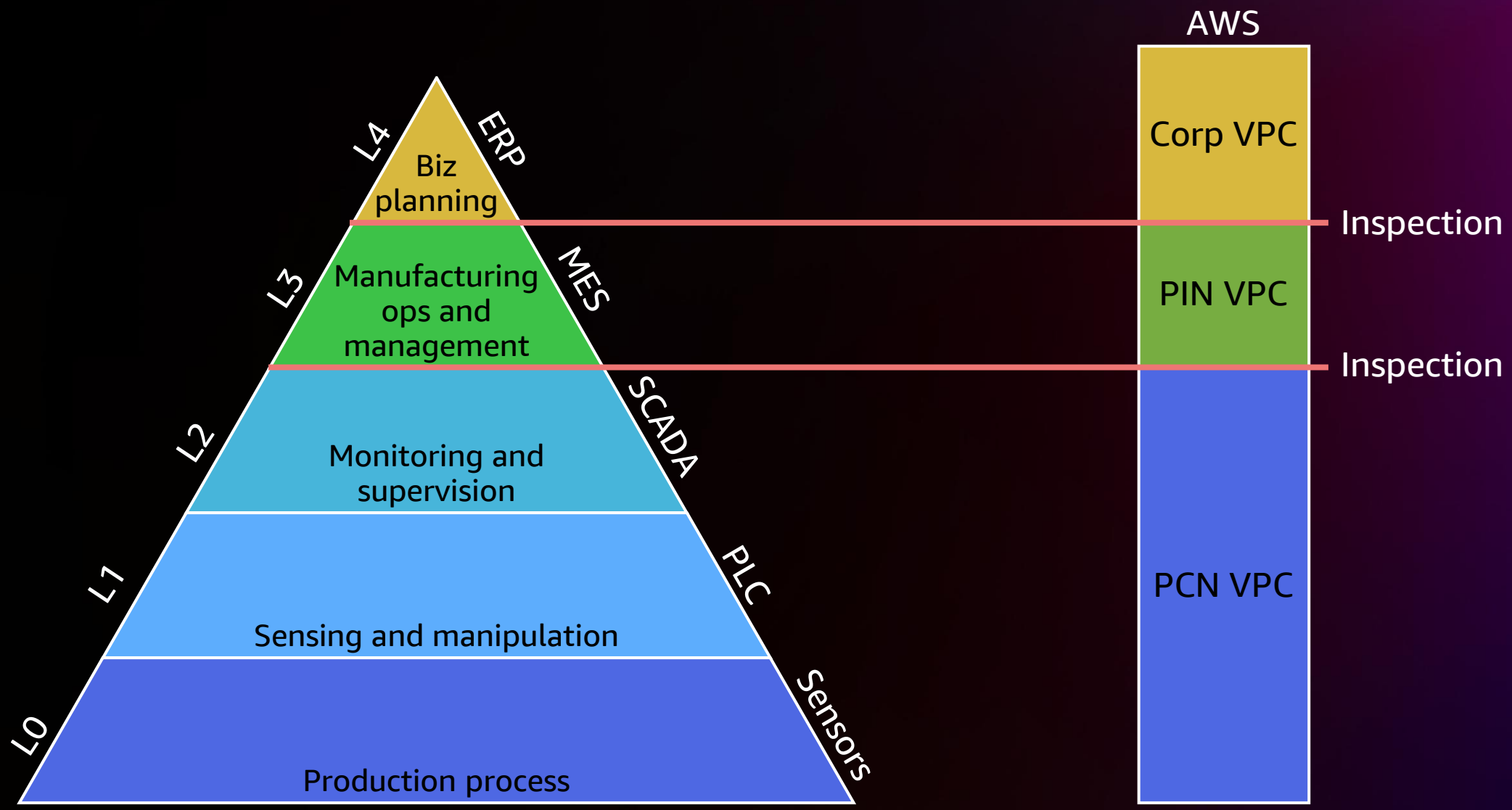



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# Taking OT to the cloud

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# Taking OT to the cloud




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# Thank you!

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