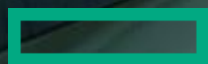


MANUFACTURING TRANSFORMATION AND CYBER SECURITY (A CALL TO ACTION)

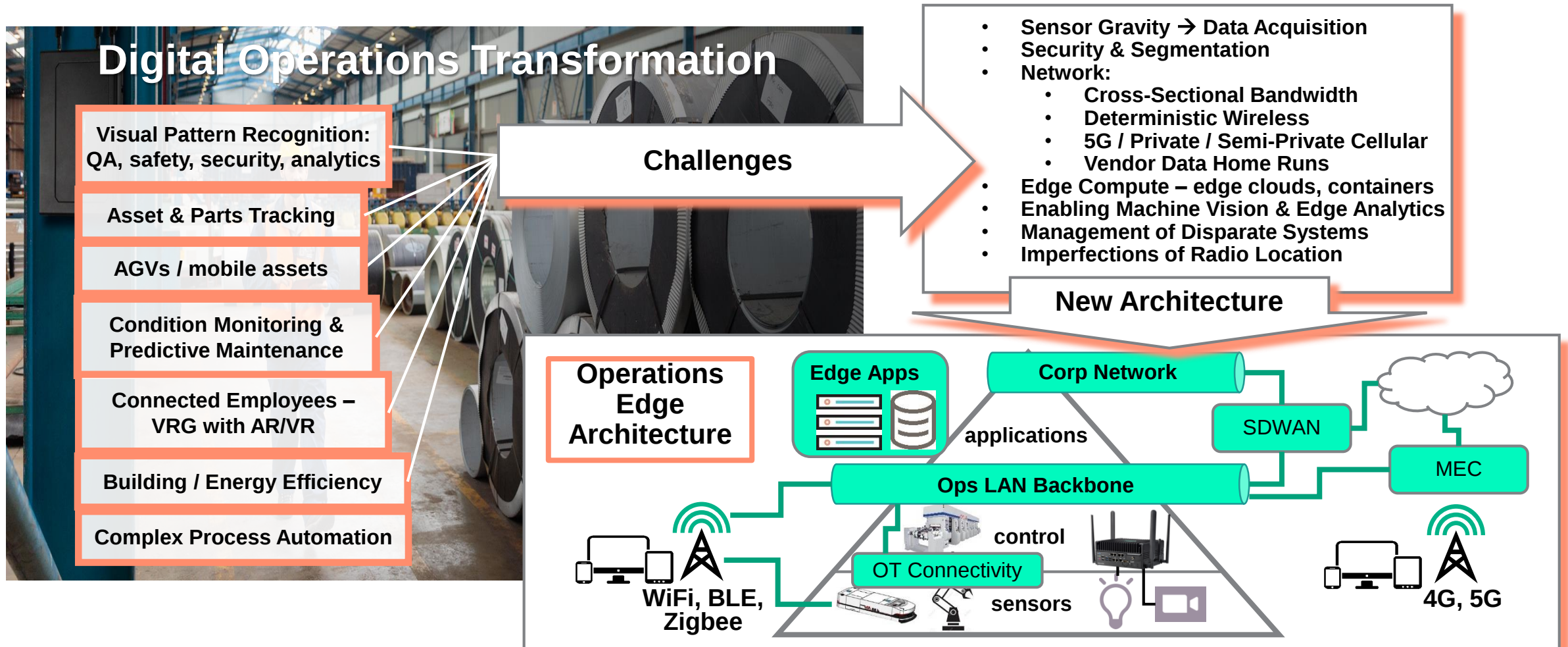
LIN NEASE – HPE FELLOW, IOT CTO – POINTNEXT SERVICES



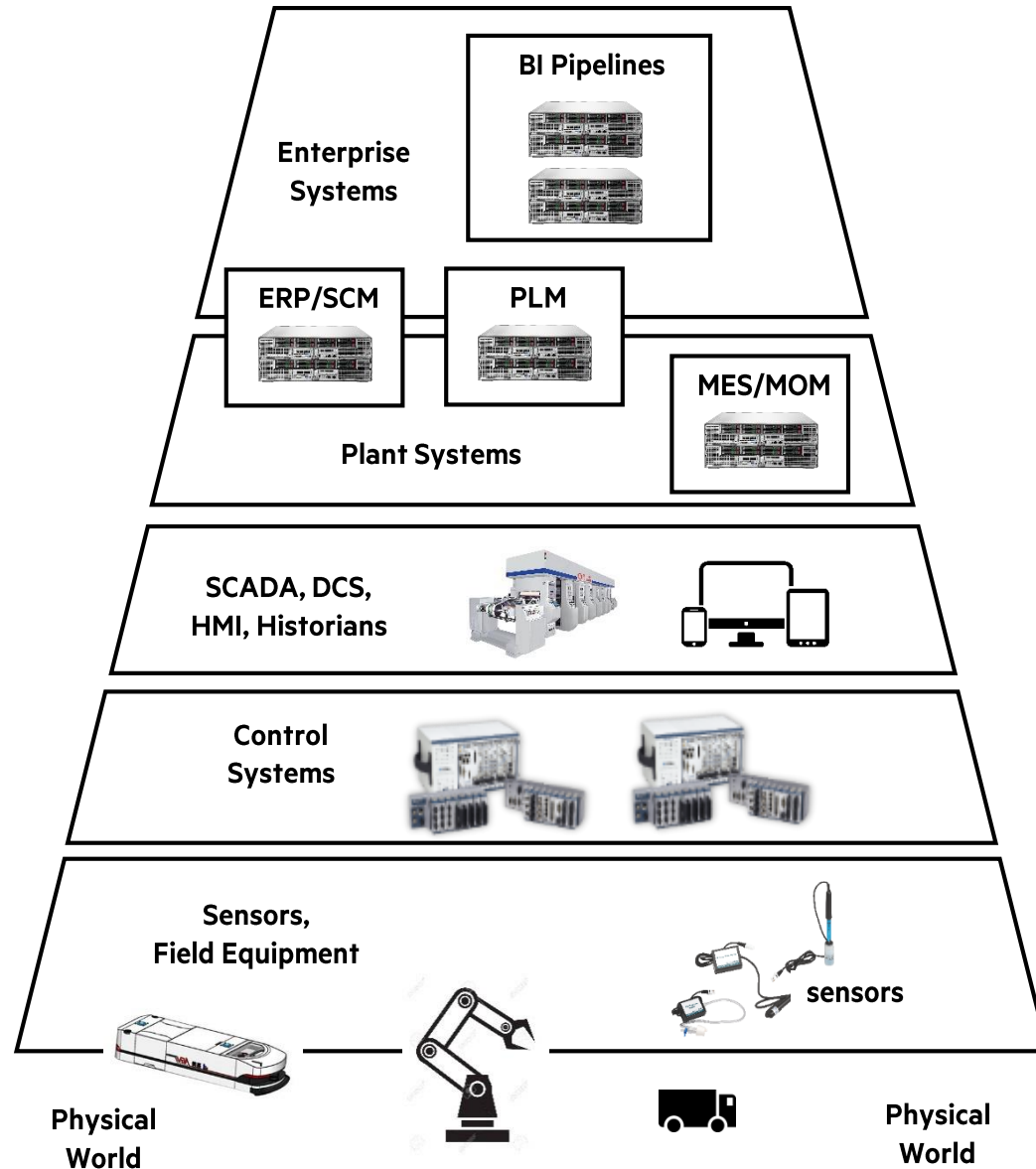
Manufacturing Digital Transformation – Key Use Cases



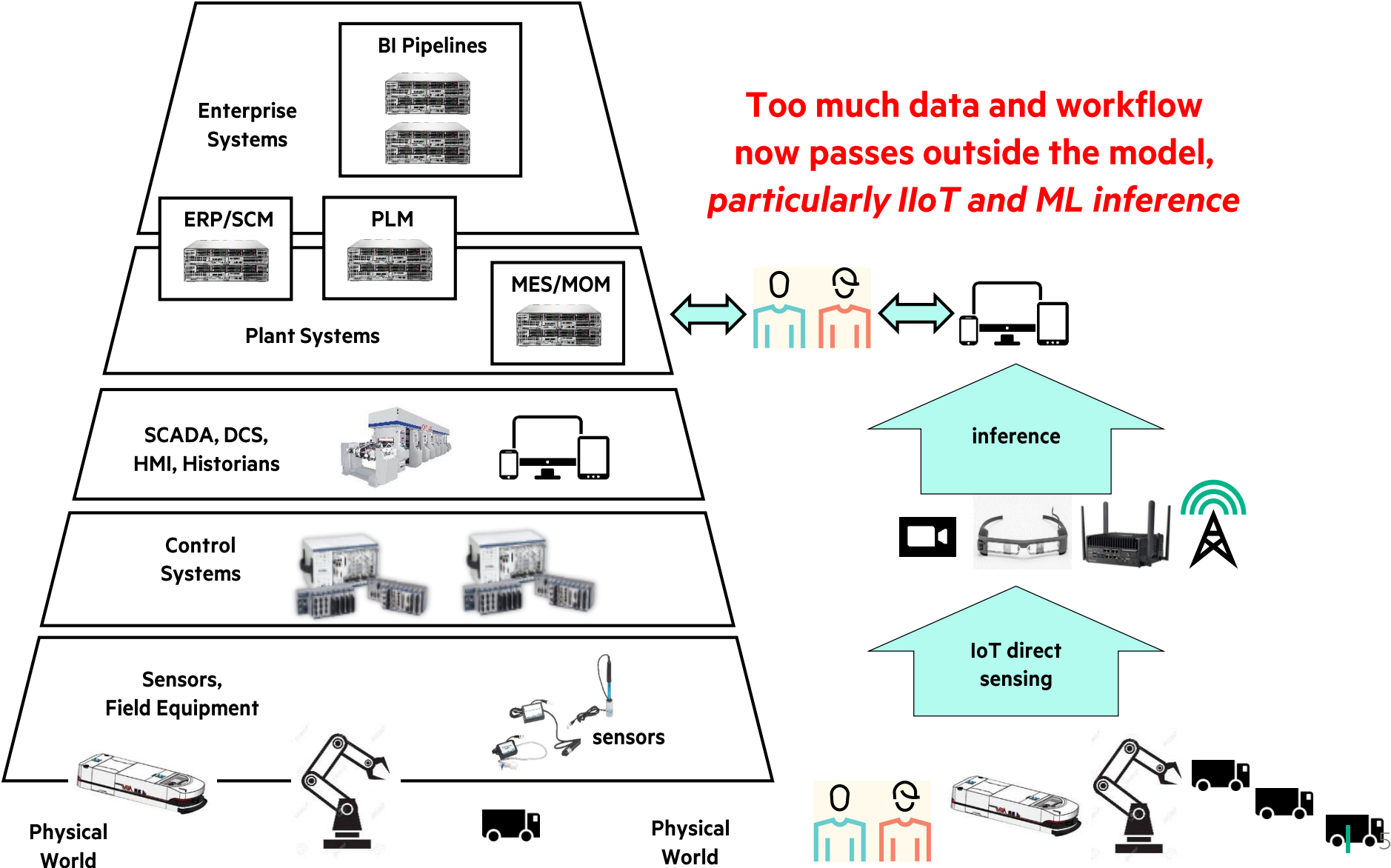
Manufacturing Transformation – a new architecture is needed!



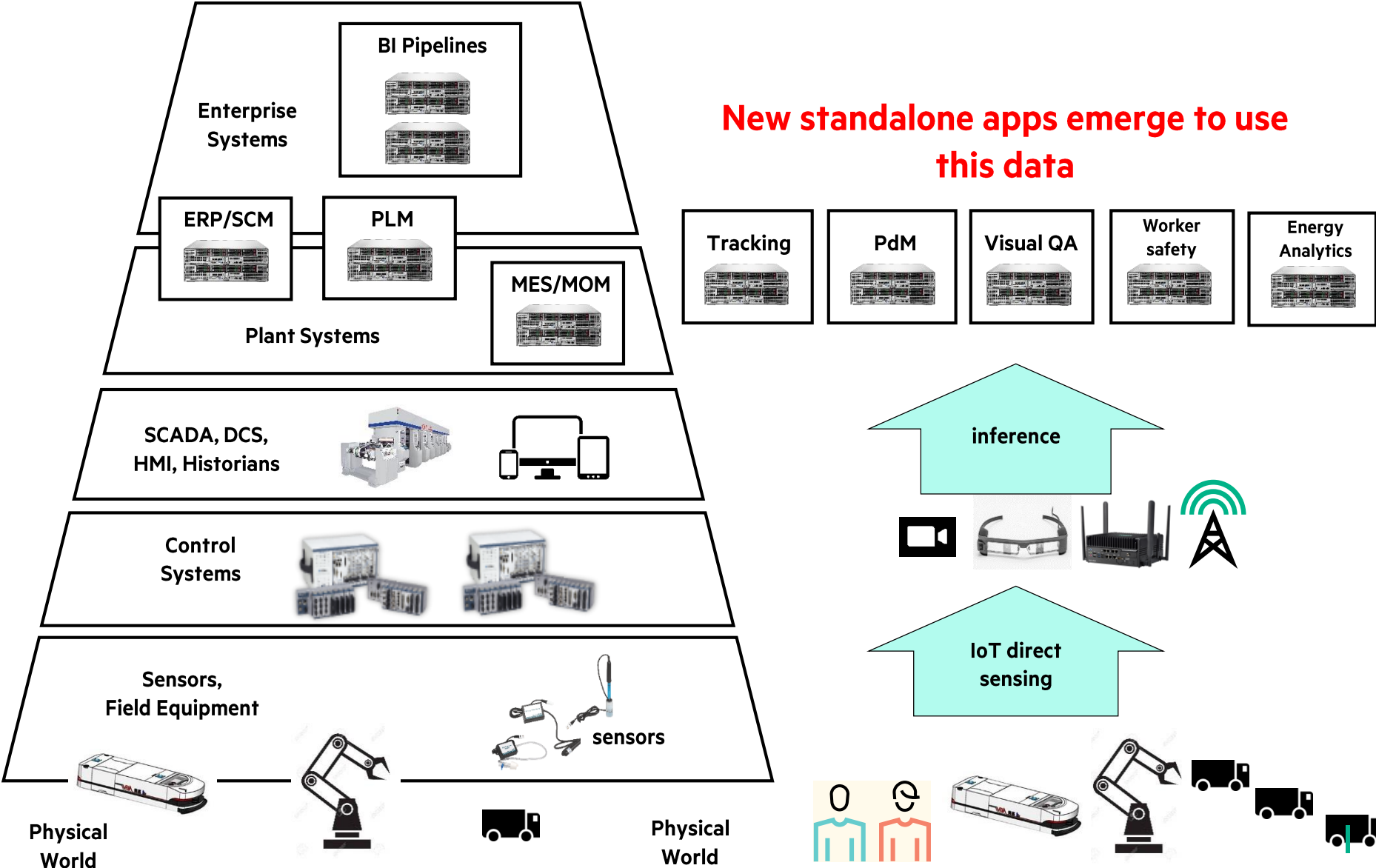
PURDUE MODEL IS INCOMPLETE FOR THE 2020'S



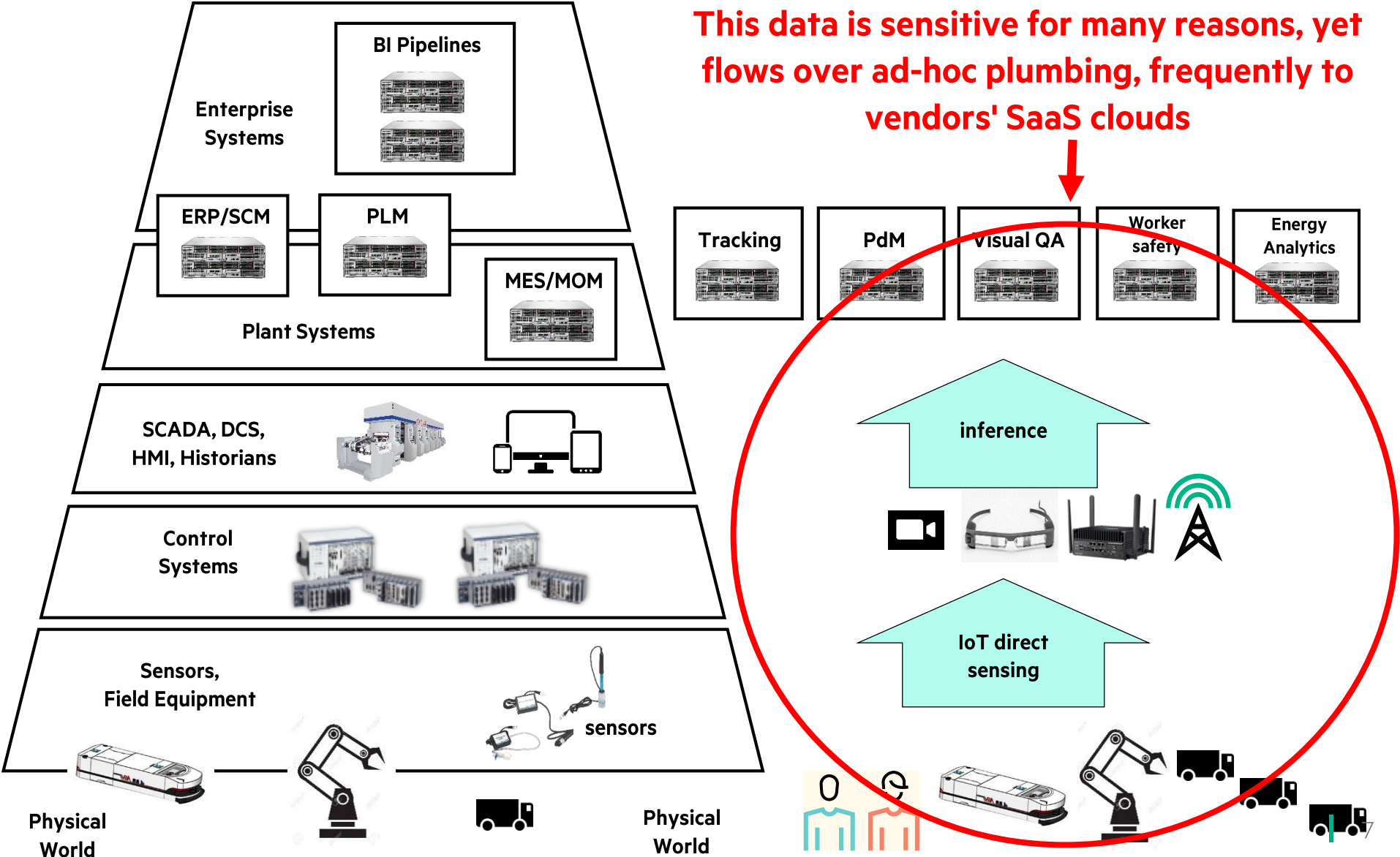
PURDUE MODEL IS INCOMPLETE FOR THE 2020'S



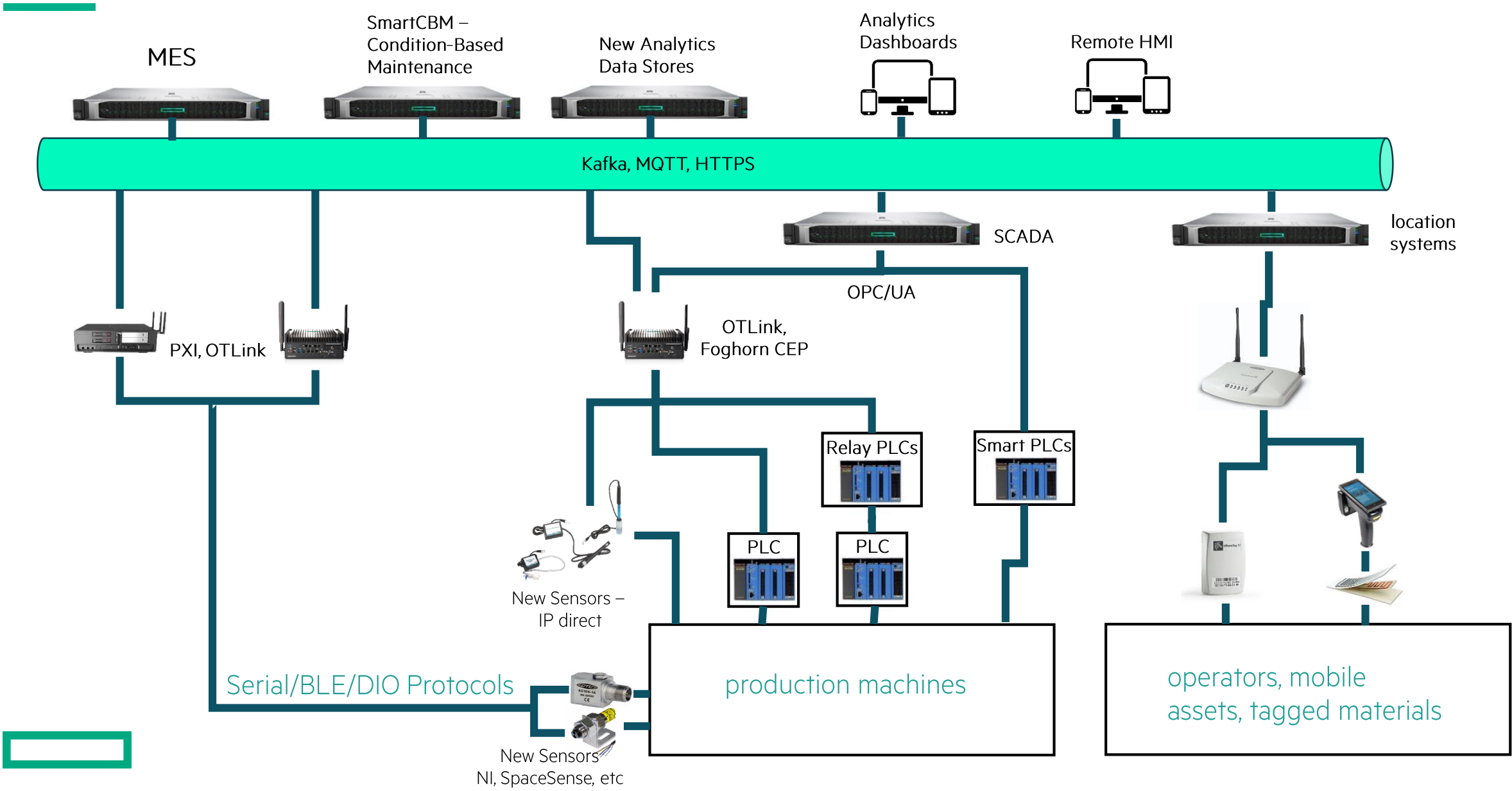
PURDUE MODEL IS INCOMPLETE FOR THE 2020'S



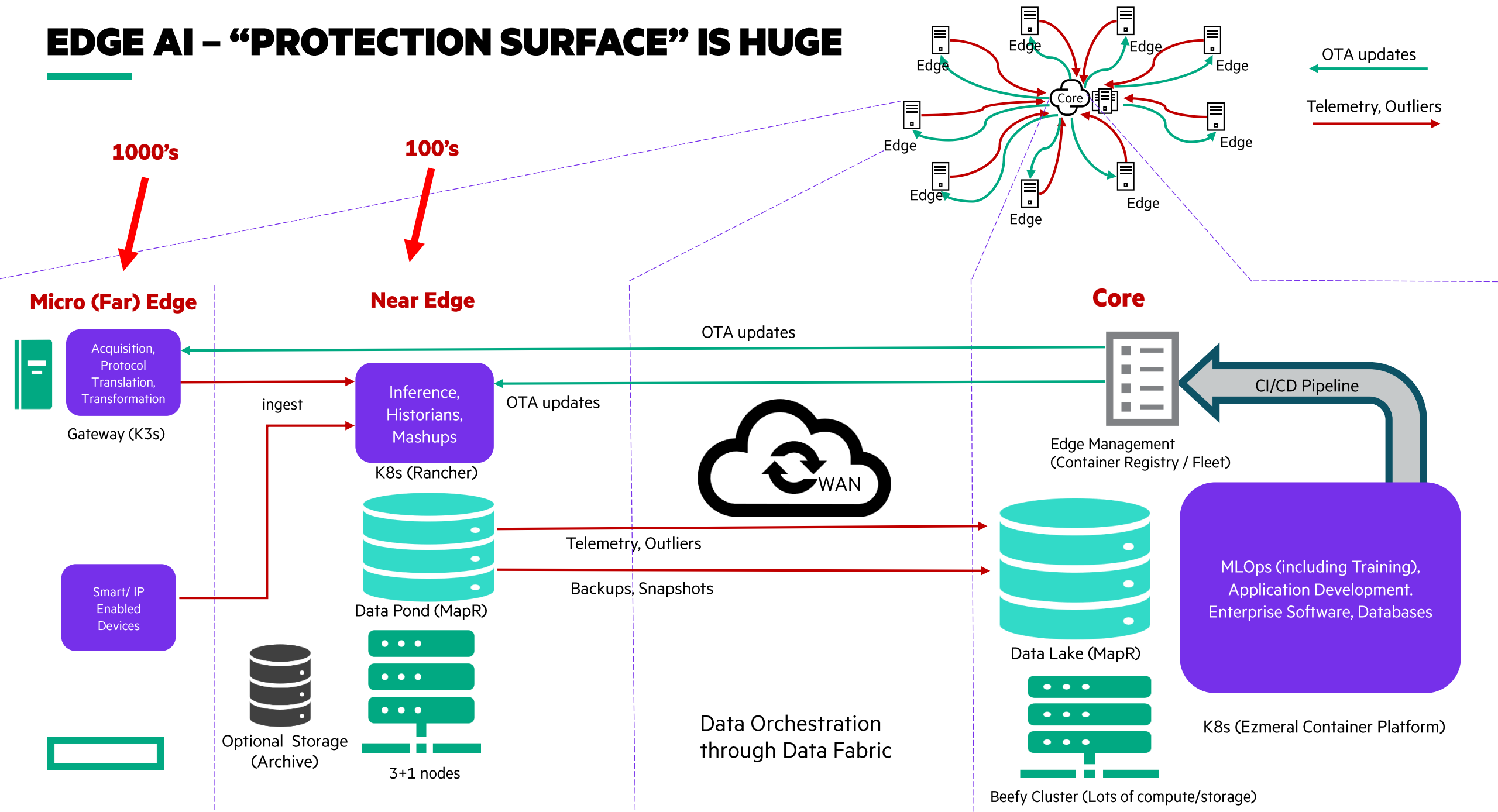
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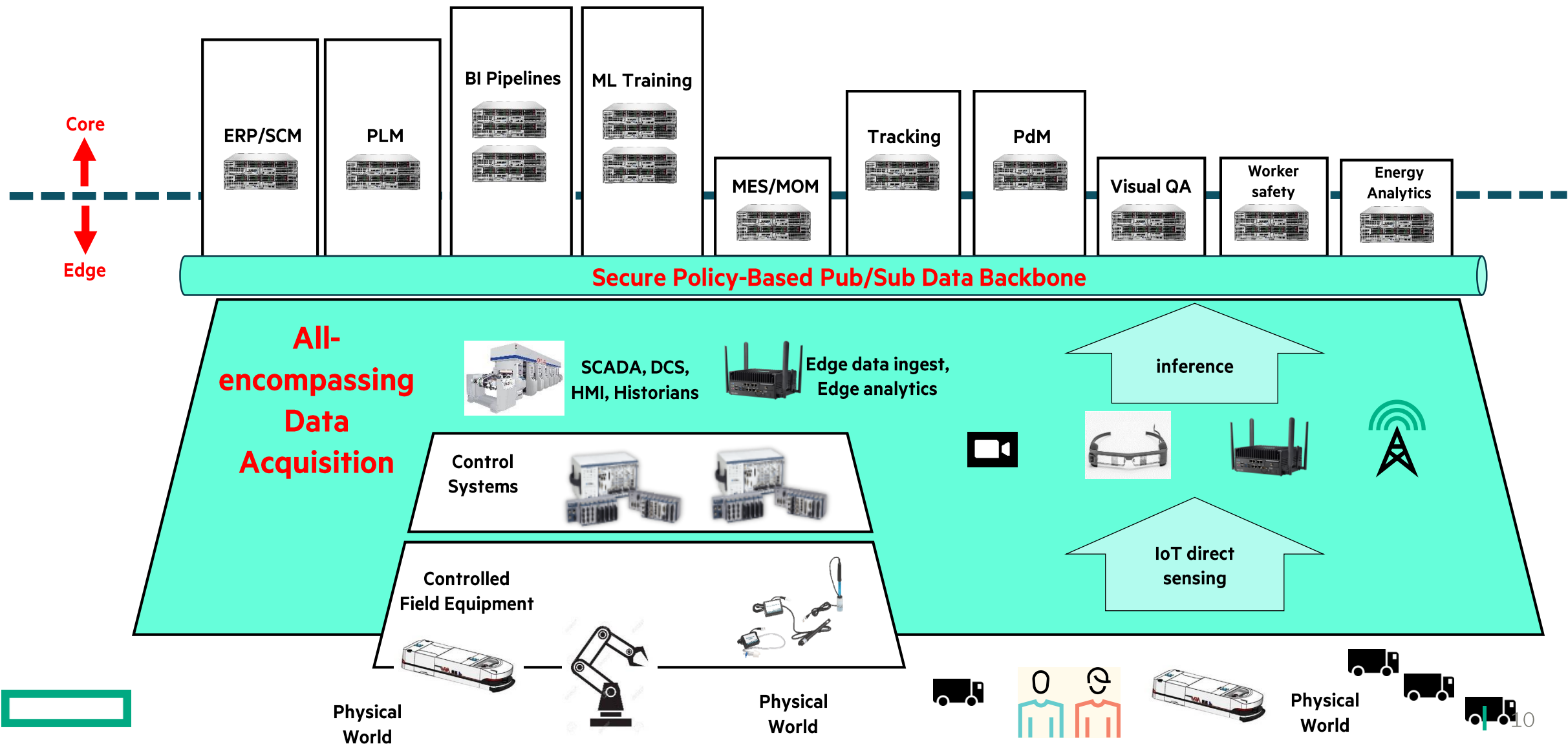
“SENSOR GRAVITY” – COMPLEXITY FROM PHYSICAL WORLD SENSING



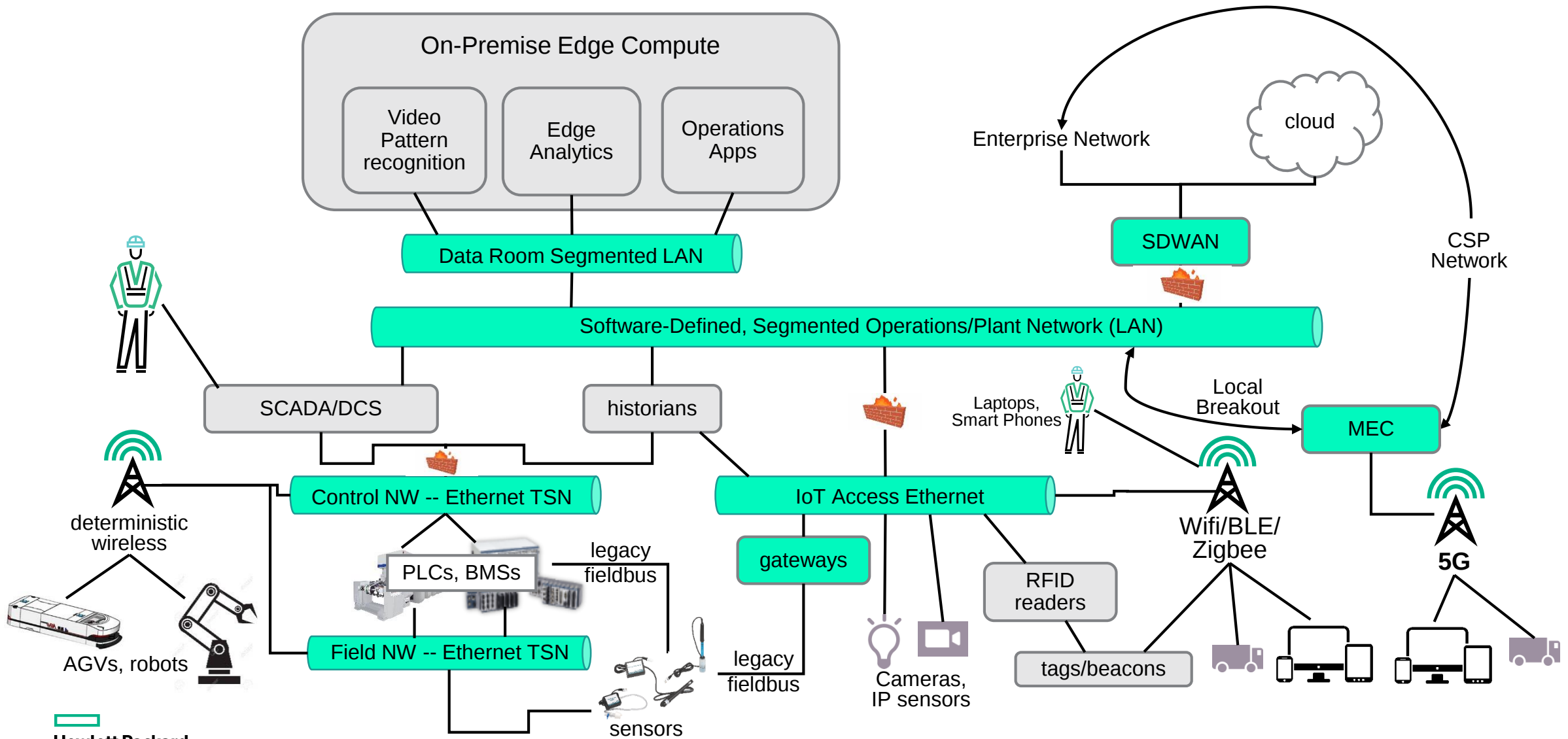
EDGE AI – “PROTECTION SURFACE” IS HUGE



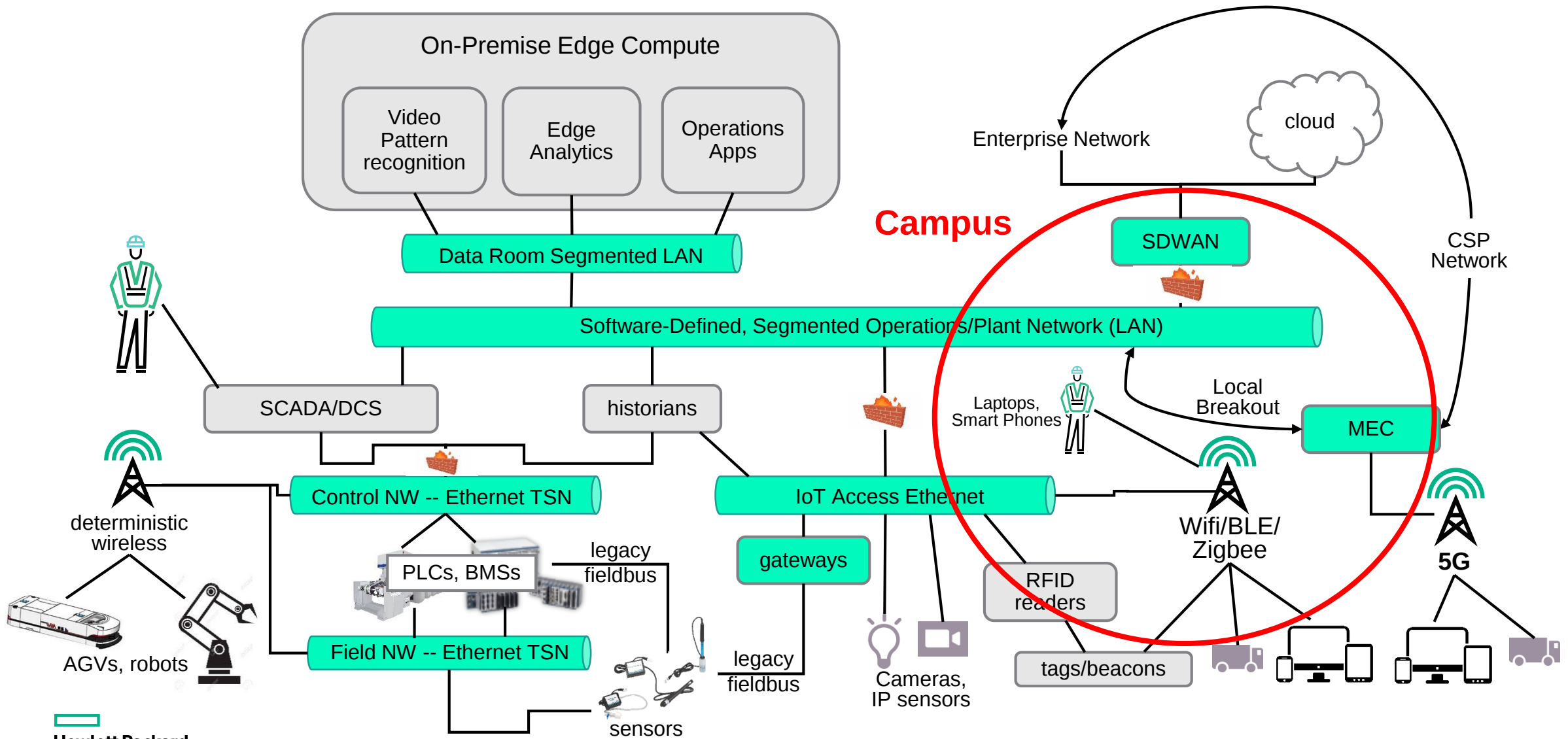
THE NEW DATA ACQUISITION MODEL



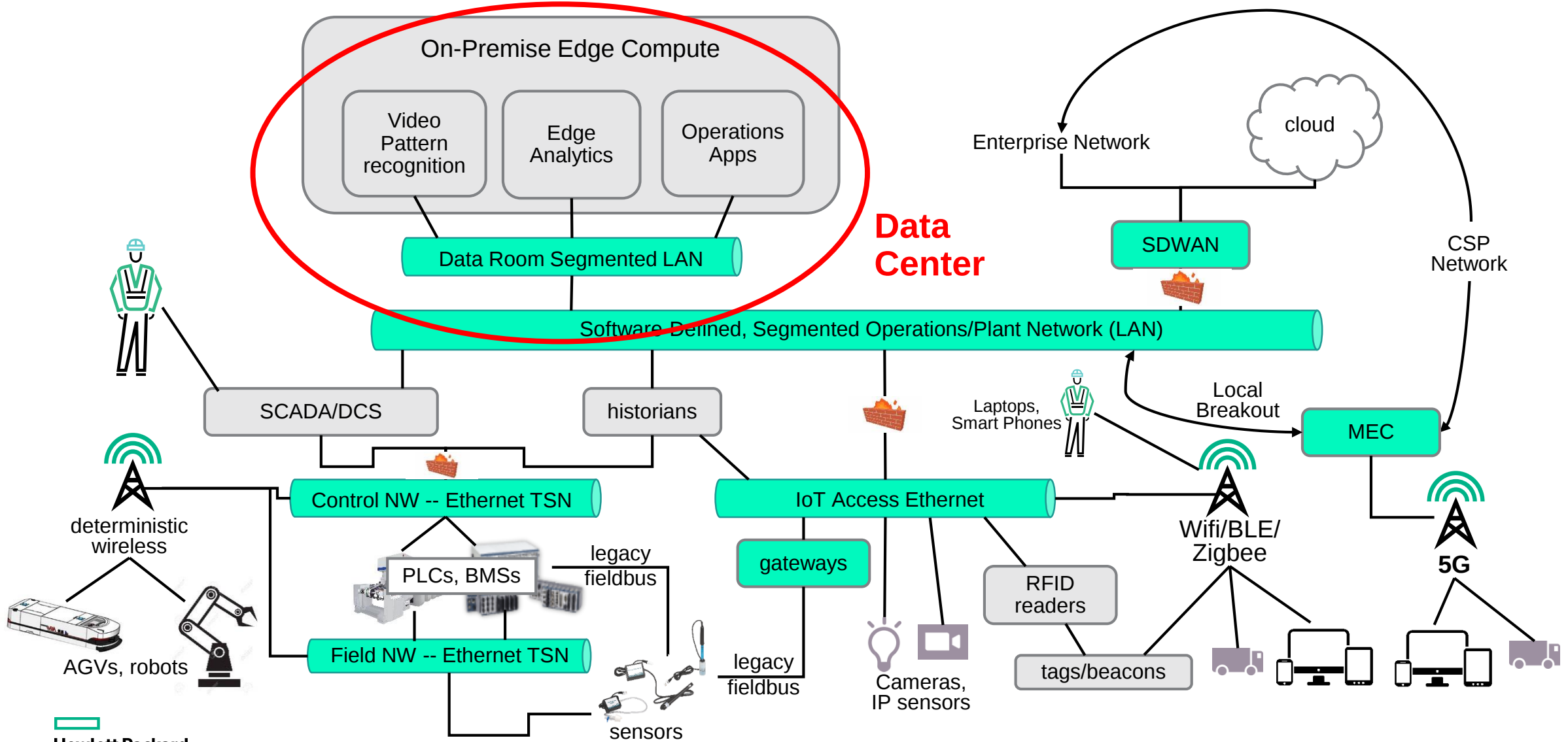
Operations Network – most complex in the enterprise!



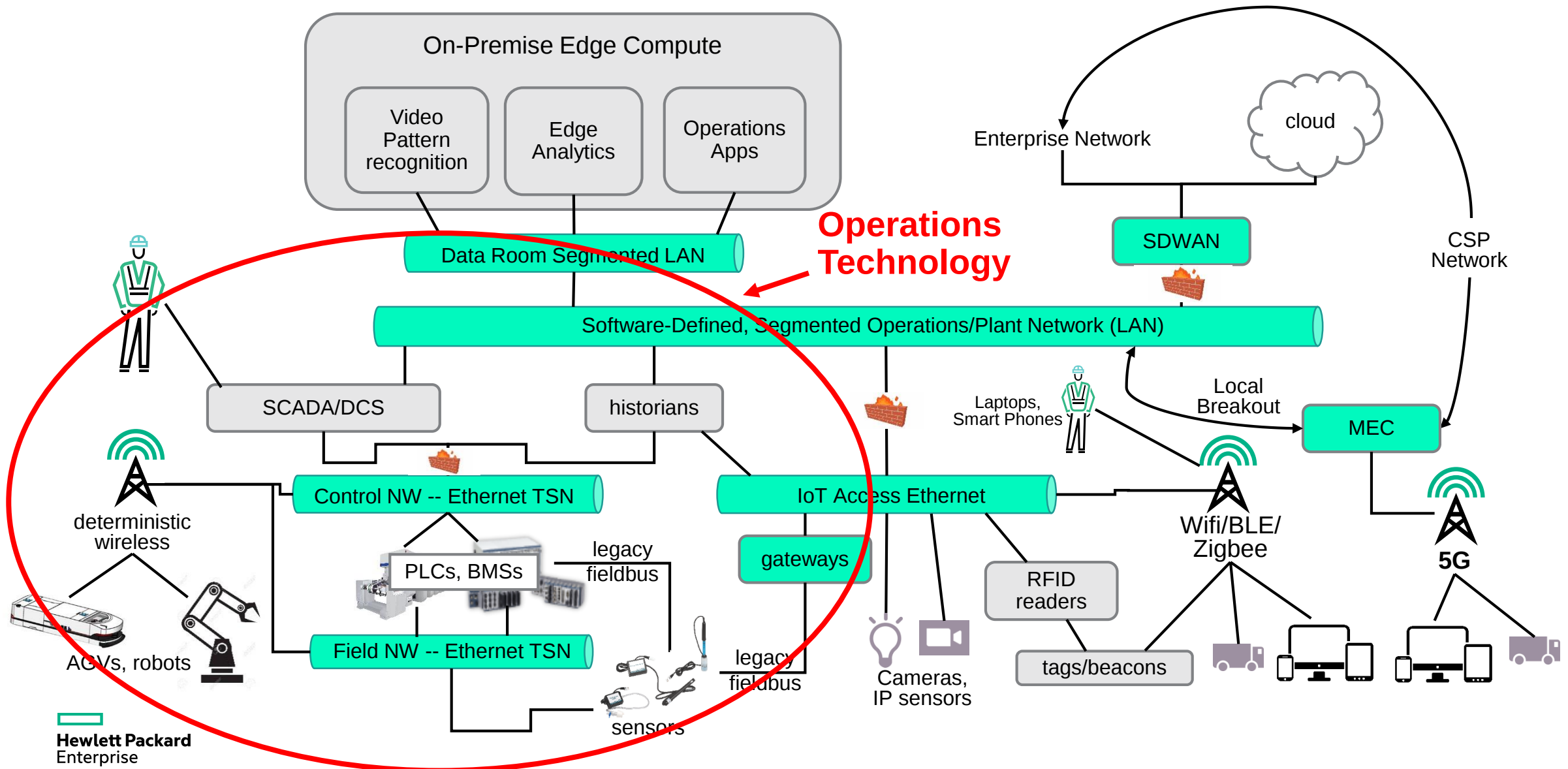
Operations Network – most complex in the enterprise!



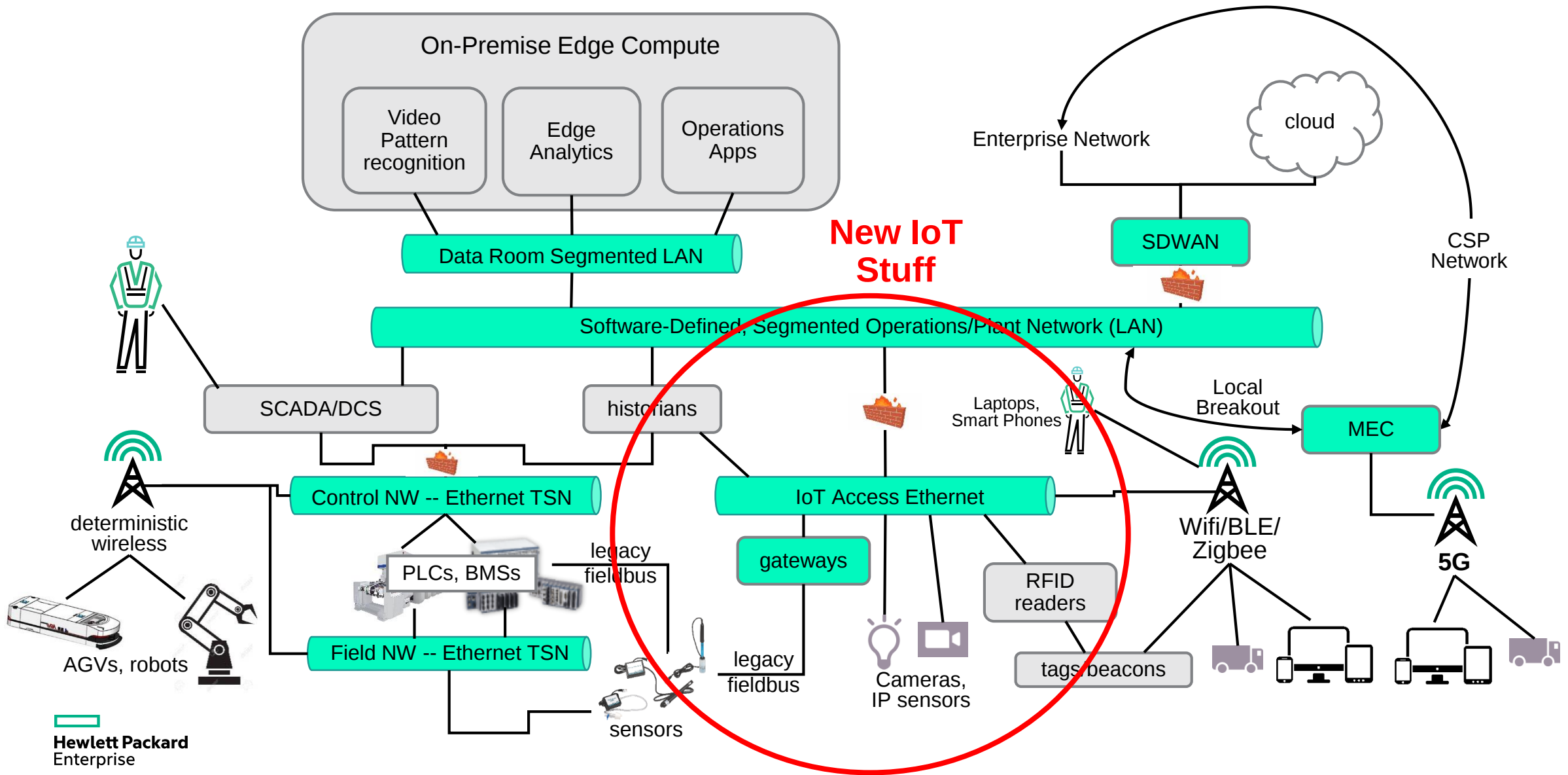
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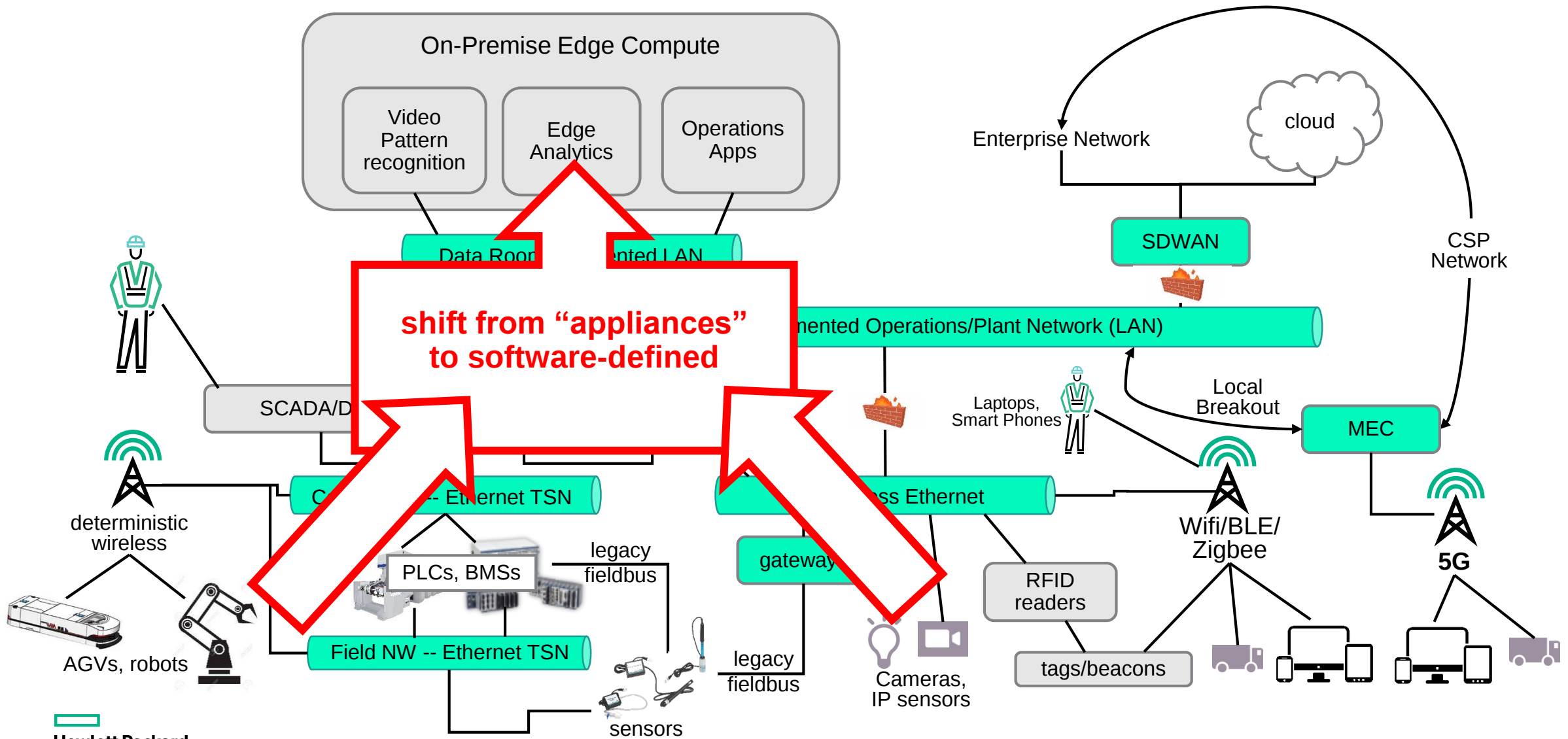
Operations Network – most complex in the enterprise!



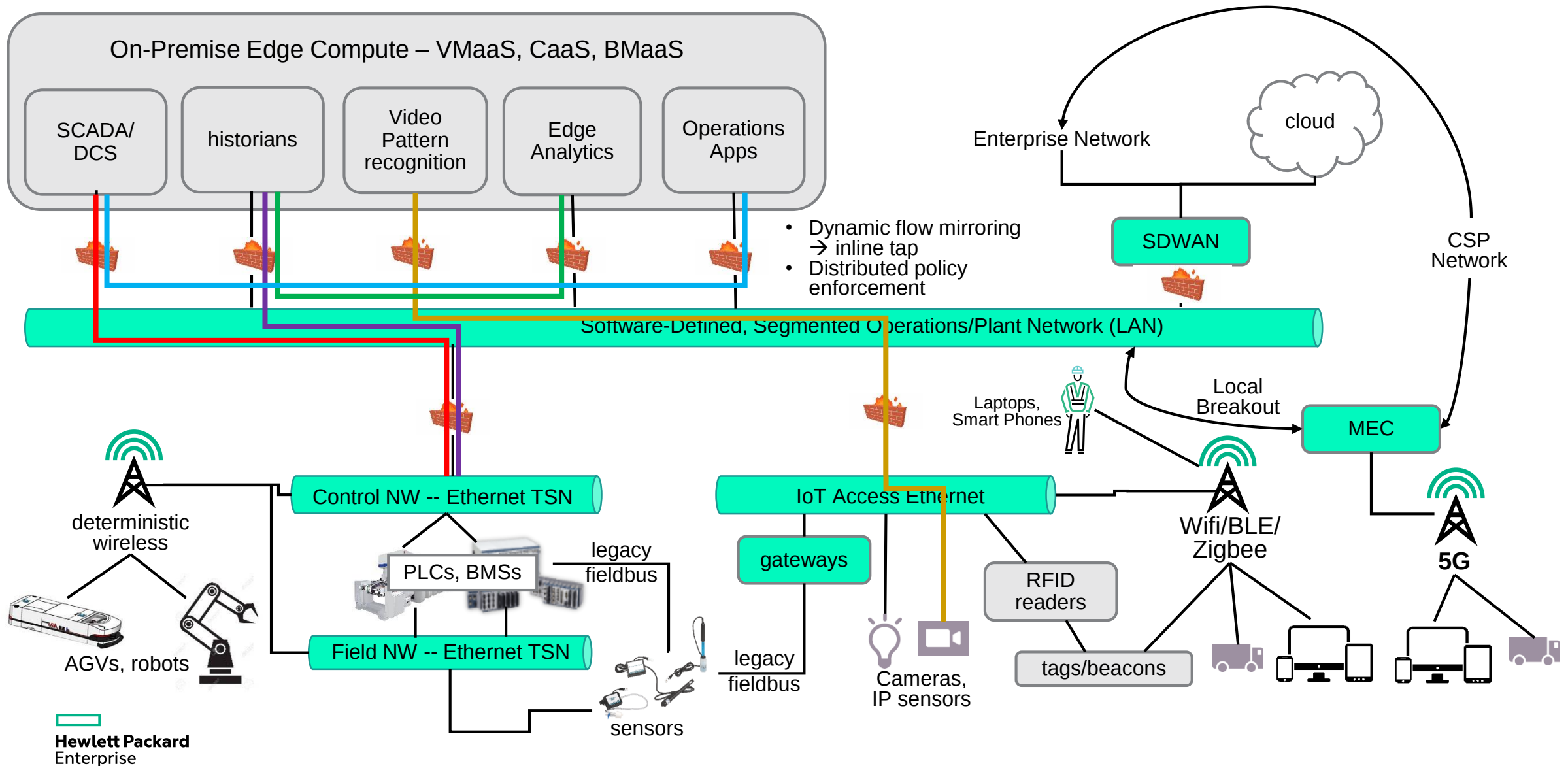
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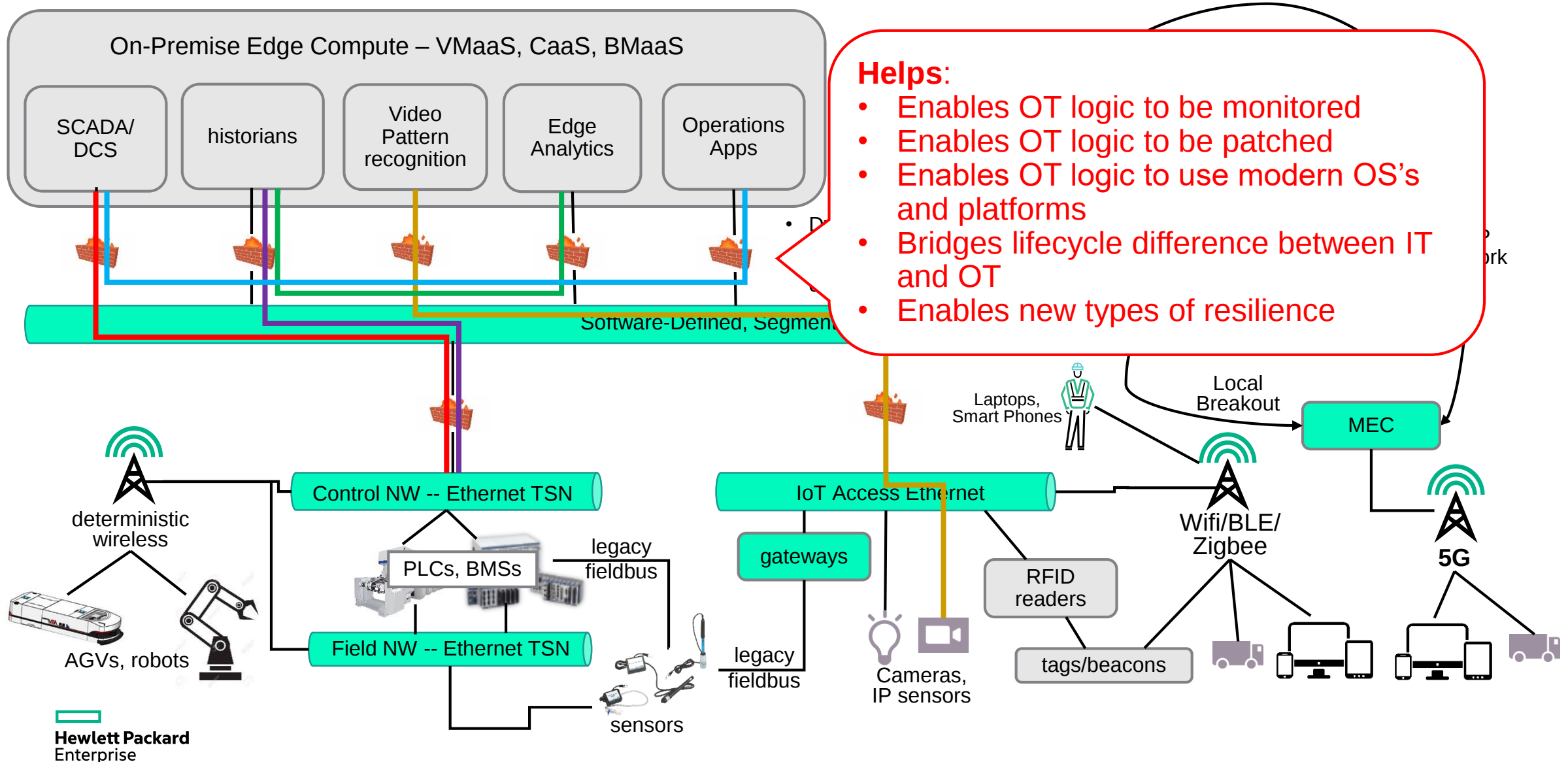
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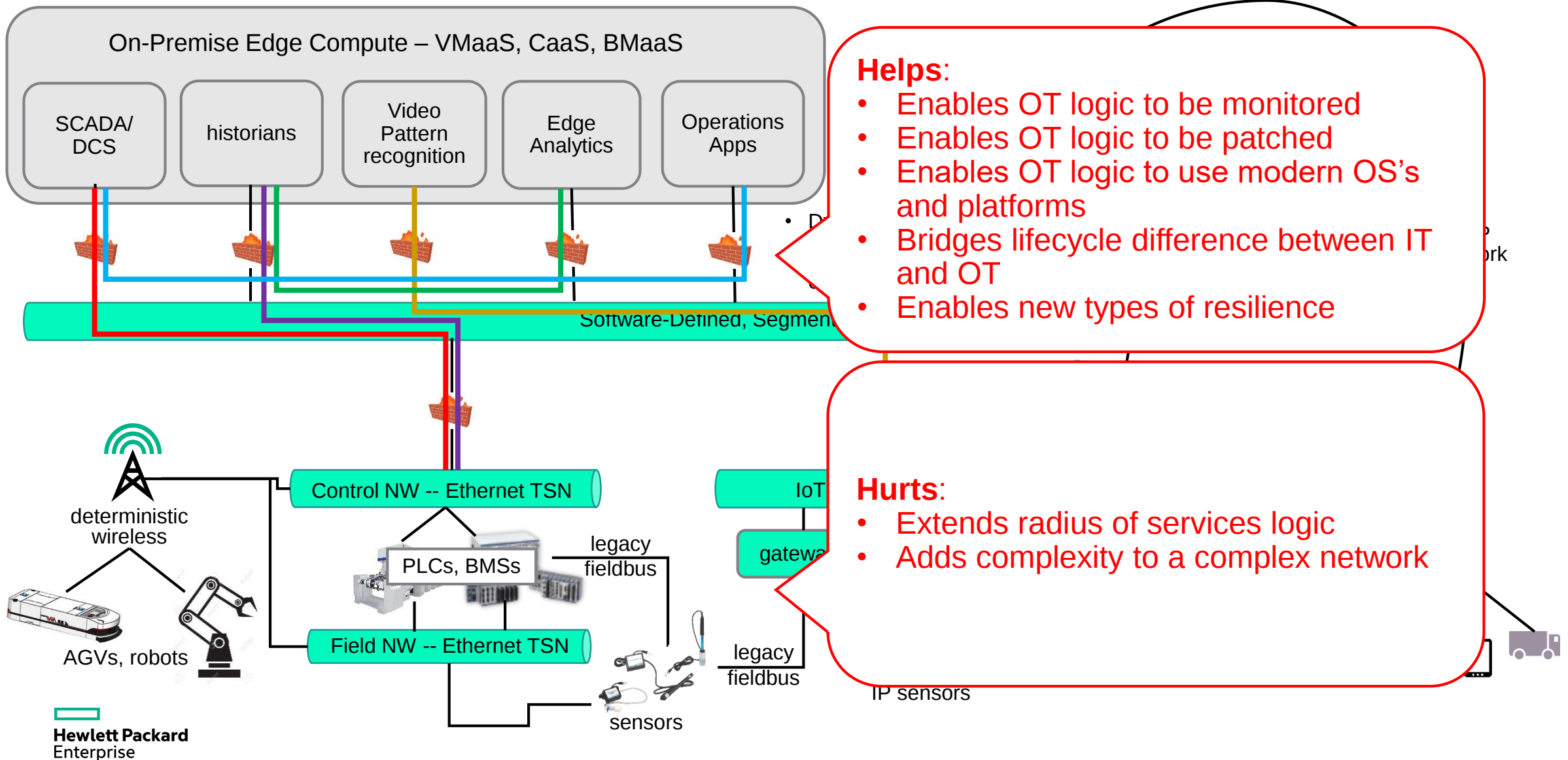
Software-Defined OT will both help and hurt



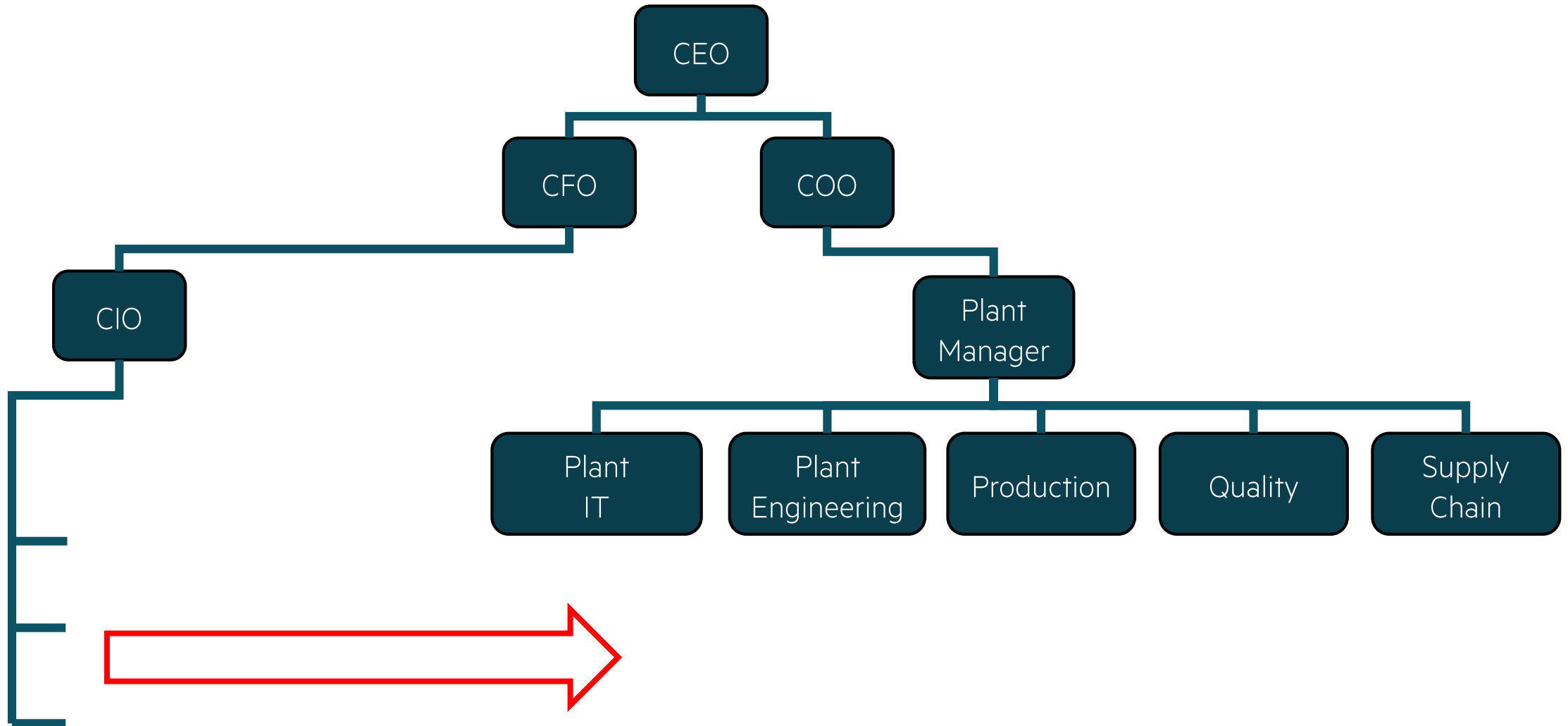
Software-Defined OT will both help and hurt



Software-Defined OT will both help and hurt



EMERGING SKILLS MIGRATION



TOP TRENDS / PREDICTIONS

- Software-defined OT
- Dramatic expansion of Whitelisting technologies
- IT people & process migrate to operations en masse
- IoT gateway consolidation
- New approaches to logic resilience emerge
 - “service orchestration for OT”

