Akraino Release 3 ("R3")

Unifying LF Edge with Blueprints and Telco Edge Software

Kandan Kathirvel, TSC Chair, Akraino

Tina Tsou, TSC co-chair, Akraino

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AKRAINO

Akraino Release 3: Now available

LF Edge's Akraino Project Release 3 Now Available, Unifying Open Source Blueprints Across MEC, AI, Cloud and Telecom Edge

- *6 New R3 Blueprints (total of 20) covering use cases across Telco, Enterprise, IoT, Cloud and more*
- *Akraino Blueprints cover areas including MEC, AI/ML, Cloud, Connected Vehicle, AR/VR, Android Cloud Native, smartNICs, Telco Core & Open- RAN, with — ongoing support for R1-R2 blueprints and more*
- *Community delivers open edge API specifications — to standardize across devices, applications (cloud native), orchestrations, and multi-cloud — via new white paper*

SAN FRANCISCO – **August 12, 2020** – LF Edge, an umbrella organization within the Linux Foundation that aims to establish an open, interoperable framework for edge computing independent of hardware, silicon, cloud, or operating system, today announced the availability of Akraino Release 3 ("Akraino R3"). Akraino's third and most mature release to date delivers fully functional edge solutions– implemented across global organizations– to enable a diversity of edge deployments across the globe. New blueprints include a focus on MEC, AI/ML, and Cloud edge. In addition, the community authored the first iteration of a new white paper to bring common open edge API standards to align the industry.

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Akraino Release 3 In the News

NEWS

FIERCE Telecom

LF Edge's Akraino Edge Stack serves up more blueprints across MEC, AI, cloud and telecom edge

vmblog.com
Technology News and Information

LF Edge's Akraino Project Release 3 Now Available, Unifying Open Source Blueprints Across MEC, AI, Cloud and Telecom Edge

sdxcentral

Akraino Edge Stack Hits 'Impact' Stage

Converge! NETWORK DIGEST

Akraino Release 3 extends use cases

LightReading

LF Edge's Akraino Project Release 3 now available

SDNLAB

The R3 version of LF Edge Akraino is officially released, Unifying OSS blueprints acrss MEC, AI, Cloud and Telecom Edge

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Akraino:
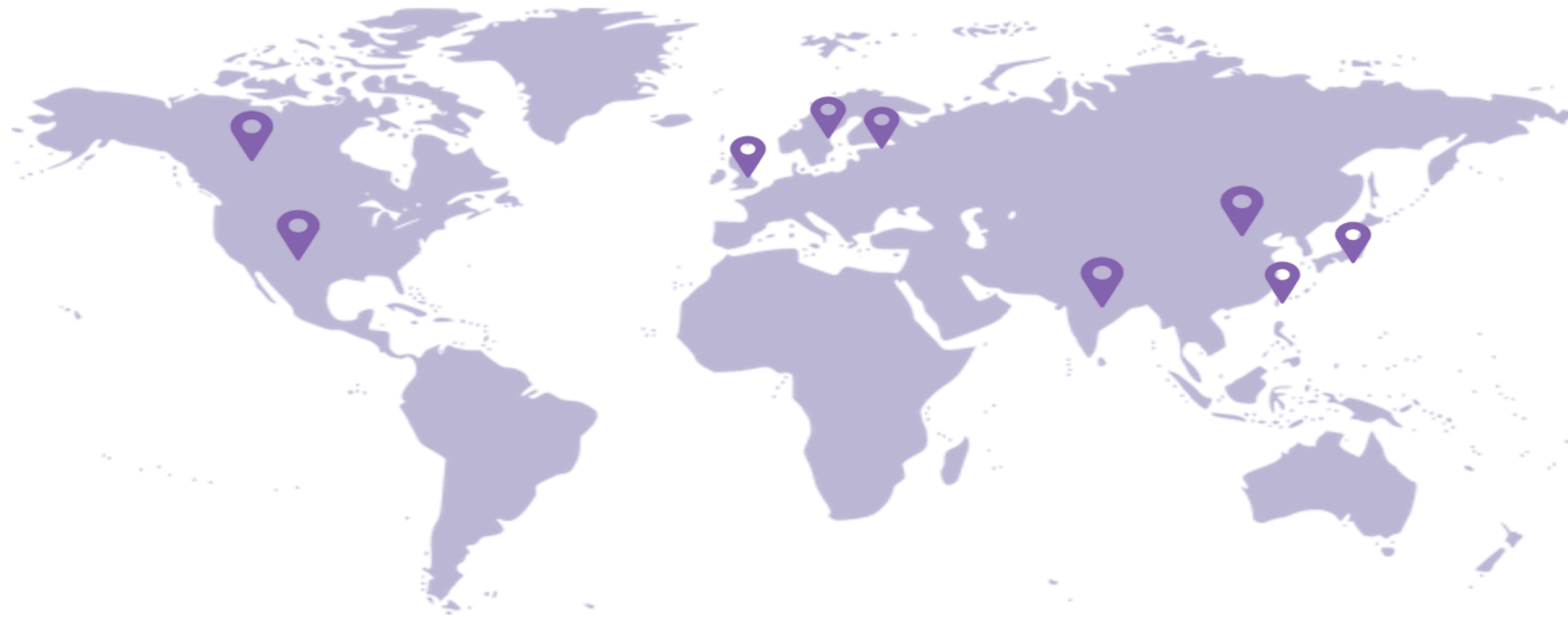# The New Intelligent Edge

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Akraino: Delivering a Fully Functional Edge Solutions
Unifying multiple industry sectors of edge across disciplines, including IoT, Enterprise, Telecom, and Cloud

- Ever since its launch in 2018, Akraino continues to **gain community support** for innovative creation of deployable Edge solutions with work going in more than **30+ Blueprints**.
- Akraino blueprints are now globally adopted in **commercial solutions** to address several edge use cases.
- Akraino hosts sophisticated community and multiple **user labs** to speed the edge innovation.
- Akraino Akraino delivered fully functional **new** Blueprints for deployment in R3 to address edge use cases such as 5G MEC, AI Edge, Cloud Gaming at Edge, Android in Cloud, Micro-MEC and Hardware acceleration at the edge.
- Created framework for defining and **standardizing APIs** across stacks, via upstream/downstream collaboration and published a whitepaper.
- Akraino introduced **tools for automated Blueprint Validations**, security tools for Blueprint Hardening and Edge API's in collaboration with LF Edge projects
- Akraino community has participated in several industry **industry outreach** events that featured participation to foster collaboration and engagement on edge projects across the entire ecosystem.

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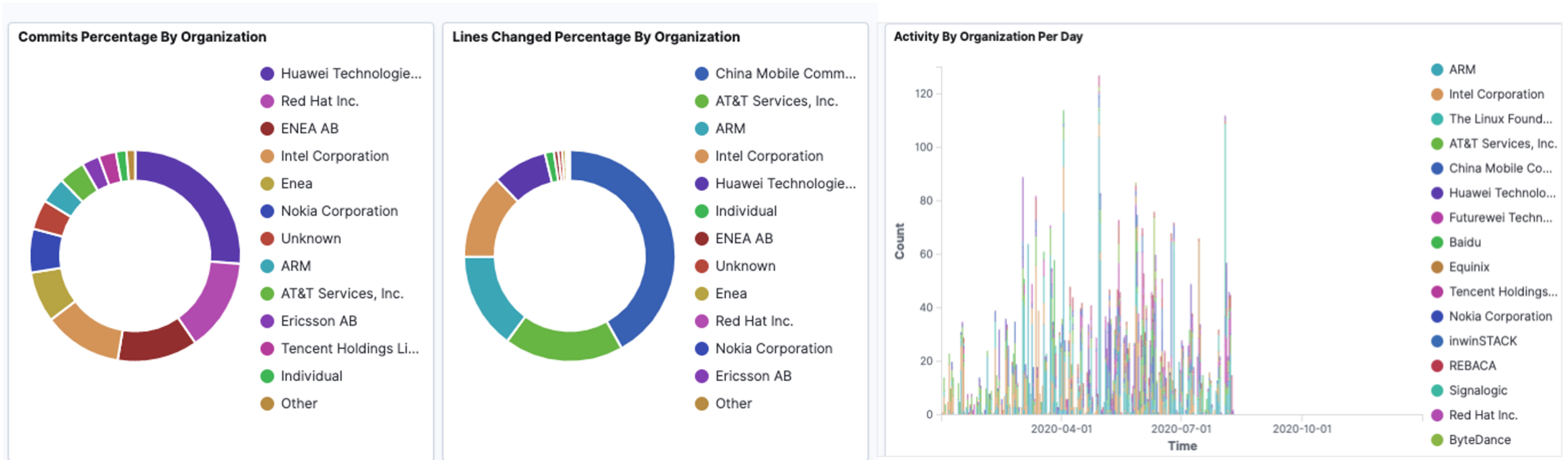**LF** EDGE

Robust Community Contribution

Deployable and fully functional edge stack for use cases across IIoT, Telco 5G Core & vRAN, uCPE, Provider Access Edge, SDWAN, Edge Media Processing, and Carrier Edge Media Processing

40+ companies are engaged across the globe
75% of LF Edge Premier Members are active in Akraino

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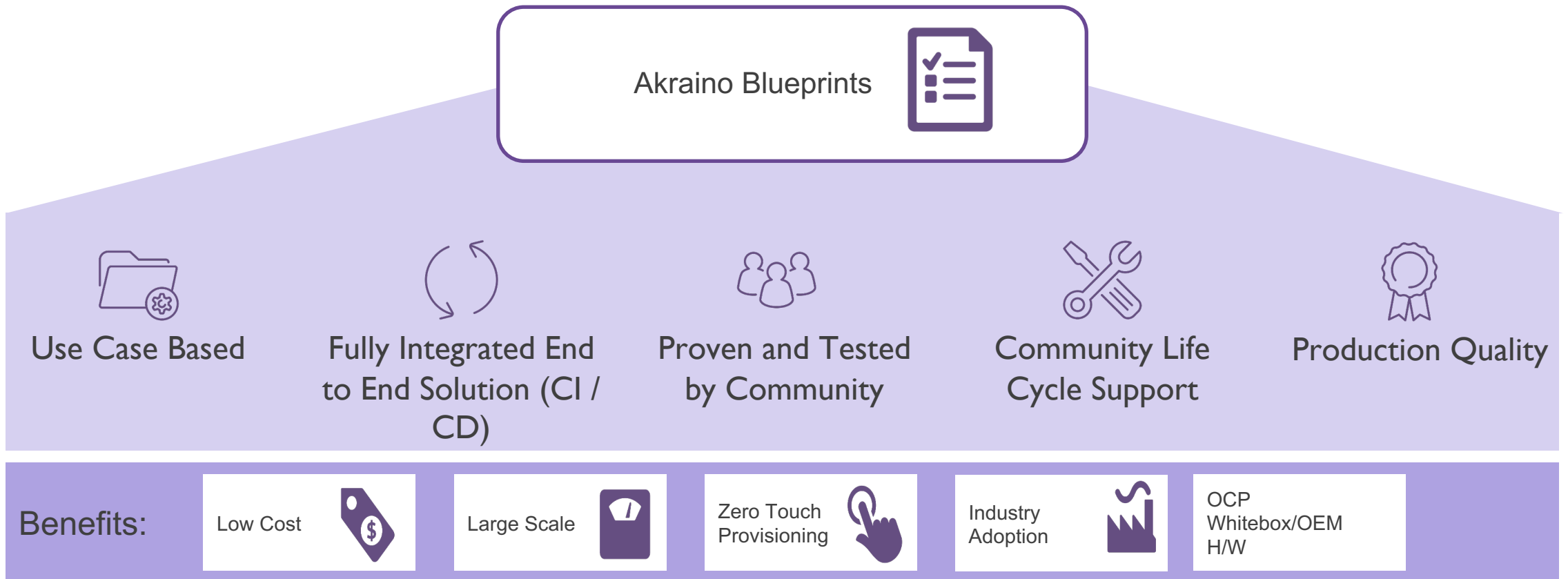# Robust Cross-Industry Contribution, YTD & Q2 2020

Deployable and fully functional edge stack for use cases across IIoT, Telco 5G Core & vRAN, uCPE, SDWAN, Connected Vehicle, AR/VR, Edge Media Processing, and Carrier Edge Media Processing
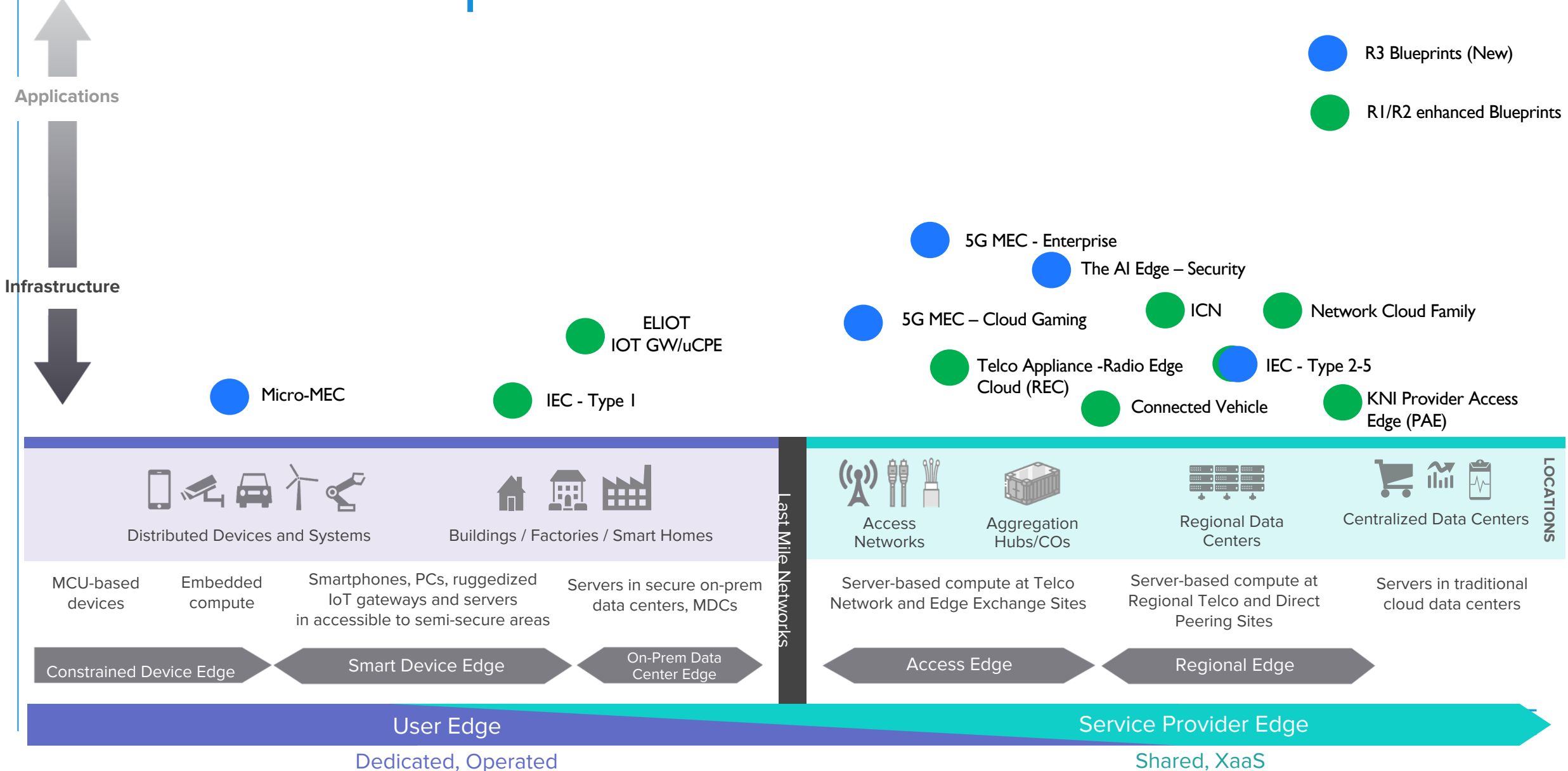

https://lfanalytics.io/projects/lfedge%2Fakraino-edge-stack/dashboard

What is an Akraino Blueprint?

Community Integrated, tested, deployable, end to end Edge Stack

Akraino Blueprints

Use Case Based

Fully Integrated End to End Solution (CI / CD)

Proven and Tested by Community

Community Life Cycle Support

Production Quality

Benefits:

Low Cost

Large Scale

Zero Touch Provisioning

Industry Adoption

OCP Whitebox/OEM H/W

Since launch in 2018, Akraino continues to gain community support for collaboration and validation with 30+ blueprints

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Akraino R3 Blueprints

What's Next in Akraino - 2H 2020

› New blueprints and enhancements to existing blueprints

› Standardize Public Cloud edge interface

› Standardize edge API's & develop open edge API's

› Enhance functionality and automation of edge workloads (e.g., Cloud Native)

› Further collaborations with cross-LF Edge projects, downstream and upstream communities.