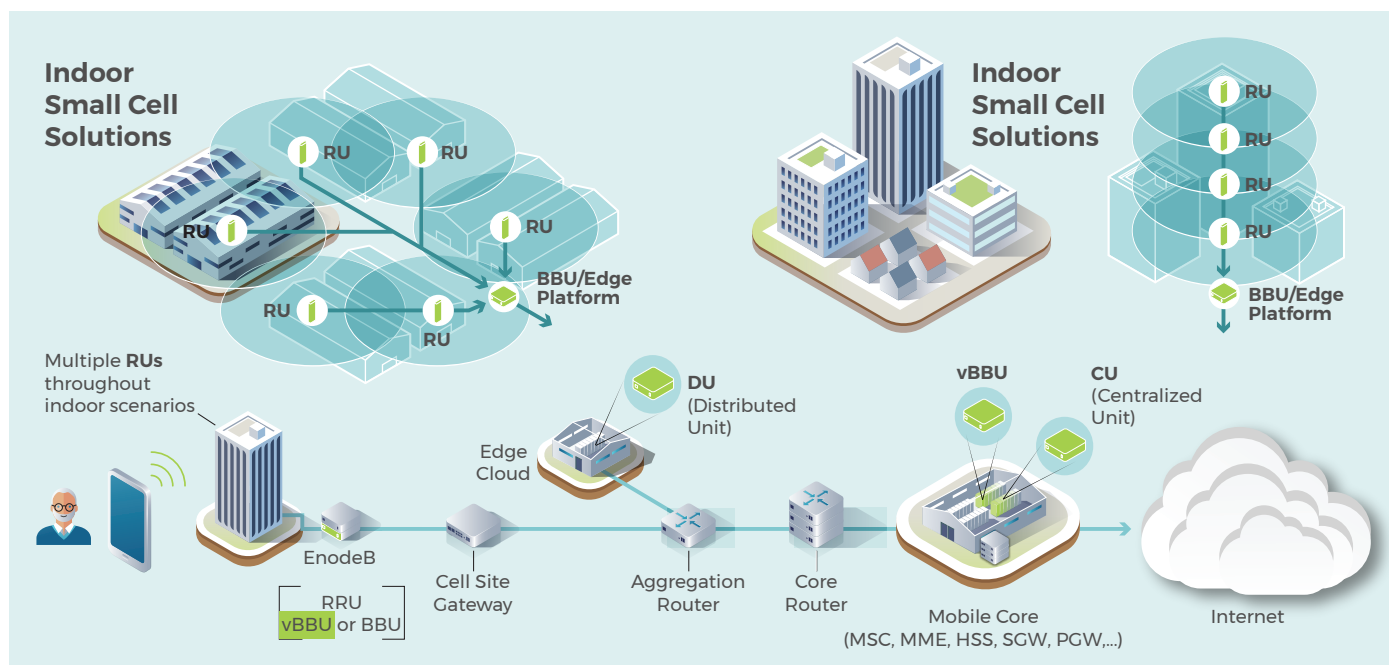# OpenRAN
Indoor Small Cell

To enable development of indoor small cell whitebox systems based on open interfaces that can be deployed cost-effectively at large scale to enhance in-building mobile capacity and coverage

Why Indoor Small Cell?

Traditional indoor small cell systems built on proprietary technology and interfaces leads to a fragmented ecosystem where components from different vendors cannot interoperate with each other. Yet, no single vendor can provide best of breed solution to address a wide range of indoor small cell deployment scenarios. A flexible, cost-effective disaggregated indoor small cells solution based on open interfaces would greatly facilitate large scale deployment.

At a glance

- **Define multiple architecture options of indoor small cell systems** to enable flexible large scale cost-effective indoor small cell in various deployment scenarios.
- **Develop HW/SW requirements of modules** and open interfaces between modules for indoor small cell system.
- **Develop test and validation requirements** and specification to ensure multi-vendor Inter-operability and End-to-End system performance.

Developments

- **Developed and published a set of requirements documents** for 5G indoor small cell systems based on fronthaul split option 7.2.
- **Two teams, Baicells/QCT/Windriver and Inno-gence/QCT**, are participating in China Unicom's lab/field trial.
- **Development of detailed test requirements** and specification is in progress.

What next

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