

Emerging Site Layers

How 5G will change network build practice



Today's mobile traffic



- Large majority of traffic served from outdoor macro

38 Exabytes/month 2019 *



Outside-in coverage

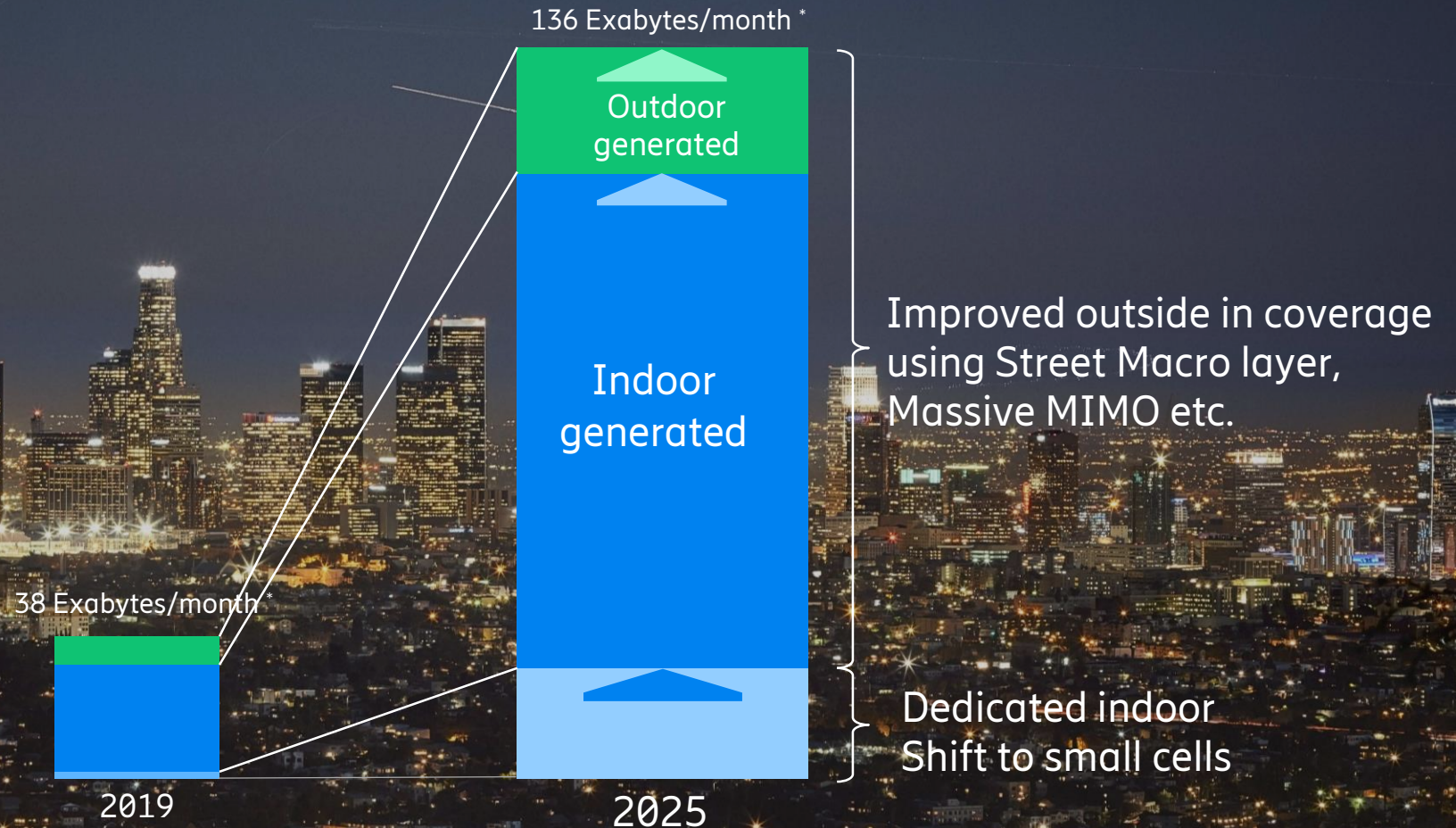
Dedicated indoor
Mainly Distributed Antenna Systems

*) Ericsson Mobility report, January 2020

Urban traffic trend



- Mega cities
- Taller buildings
- Energy efficiency standards
- Video driving traffic growth
- Higher frequency bands



*) Ericsson Mobility report, January 2020

Site Layers



Transport



Baseband



Macro



Street Macro

Output power



Street Micro

Ease of site build



Indoor

Macro innovations



Future Street



Street Pole

Street Micro

Street Macro

Street Vault

Street Strand

Street Enclosure



Lightpole Sites



- Complete site solution inside light pole
- Customized for ERS HW
- Standardized solutions → Short TTM
- Ericsson approved

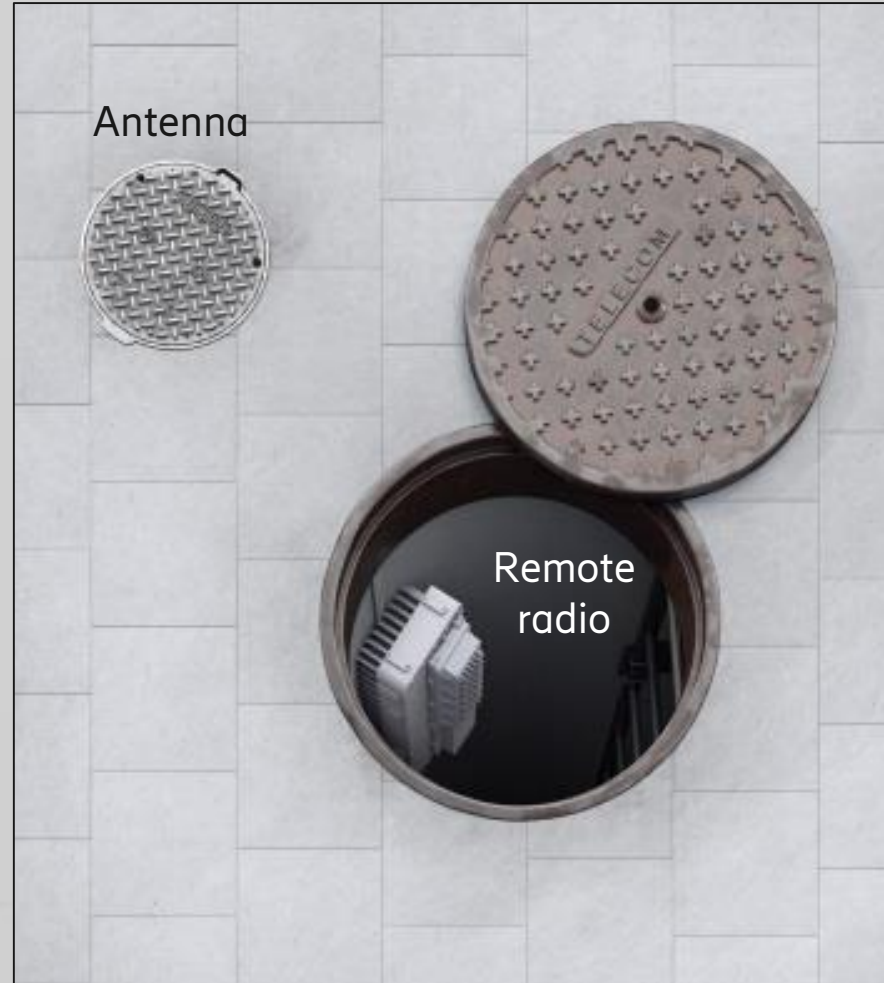
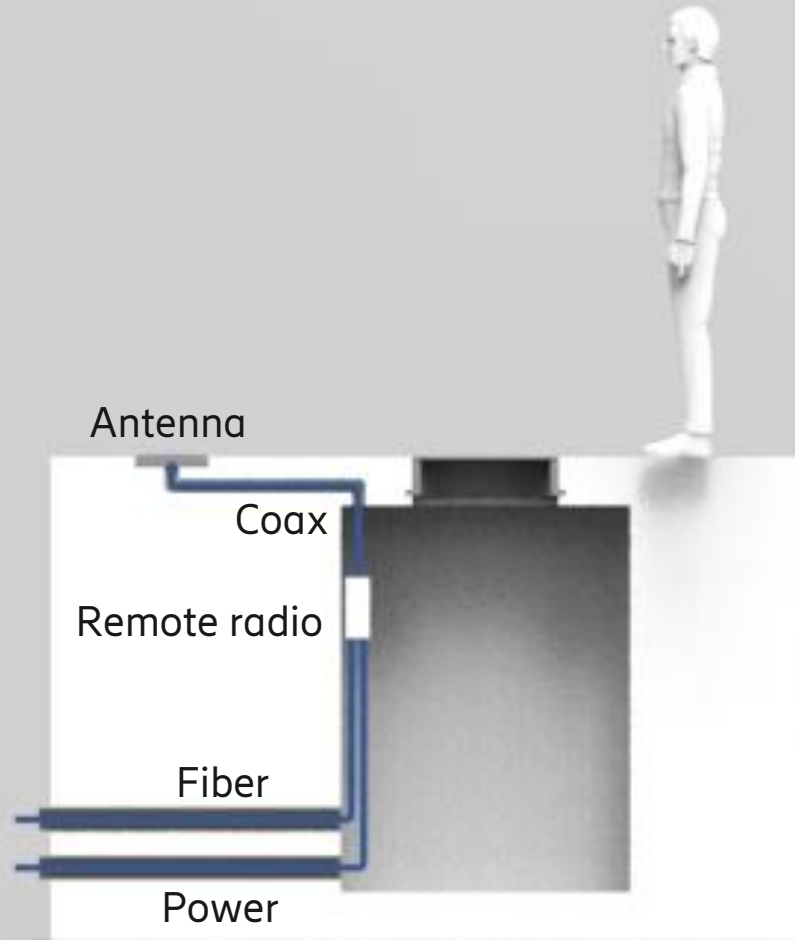


Street Micro Sites

- Up to 4 x Radio
- Modular design
Fits both in
panels, bus
stops and
columns



Street Vault



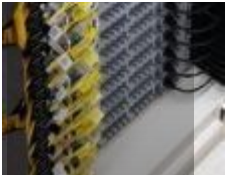
Strand Site



Site Types



C-RAN



Macro



Street Macro



Street Micro



Indoor



Roof top



Light pole



Bolt-on



Indoor Macro



Mono pole



Utility pole



Integrated light pole



Stadium



Tower



Low roof top



Street furniture



Enterprise



Green



Integrated light pole



Strand



Private network



