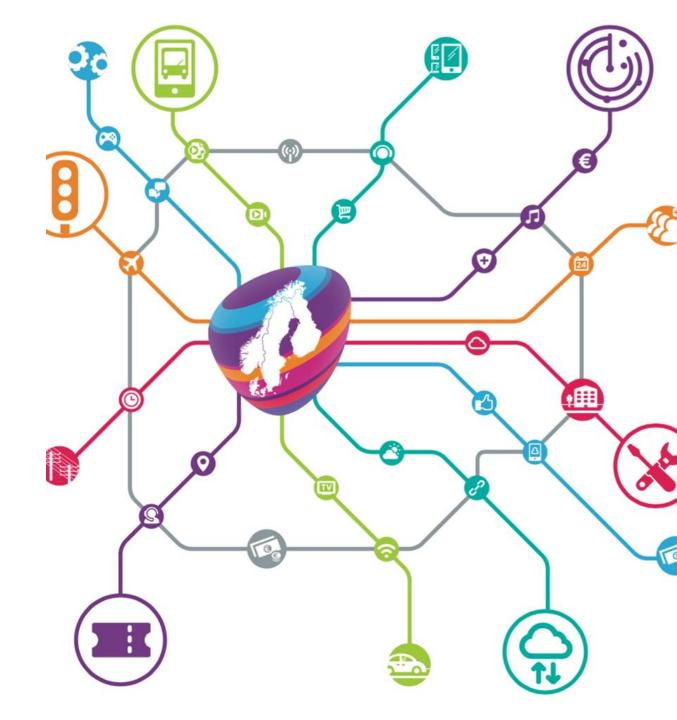


INTERNET OF THINGS

LPWA

david.trotter@teliacompany.com Head of IoT Sweden

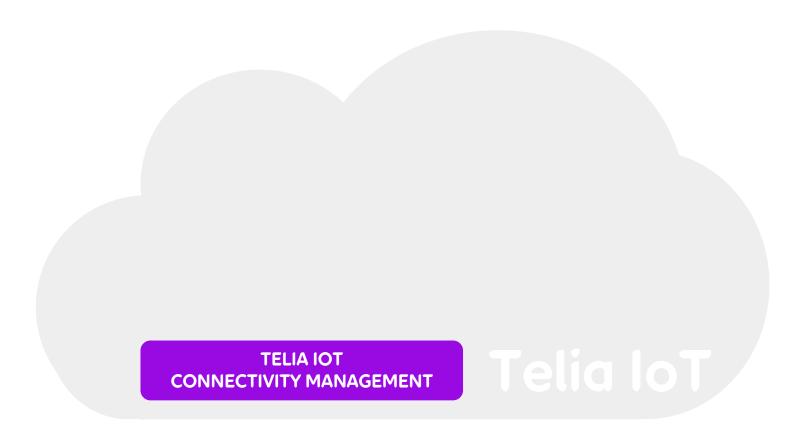






SMART SOCIETIES ARE BUILT ON DIGITAL INFRASTRUCTURE







ONE SIZE DOESN'T FIT ALL

MASSIVE IoT LPWA

Low data throughput

Low power Long battery life

Low device costs

Wide area & Deep reach

Mobility

HIGH-PERFORMANCE

High data throughput

Low latency

Mobility

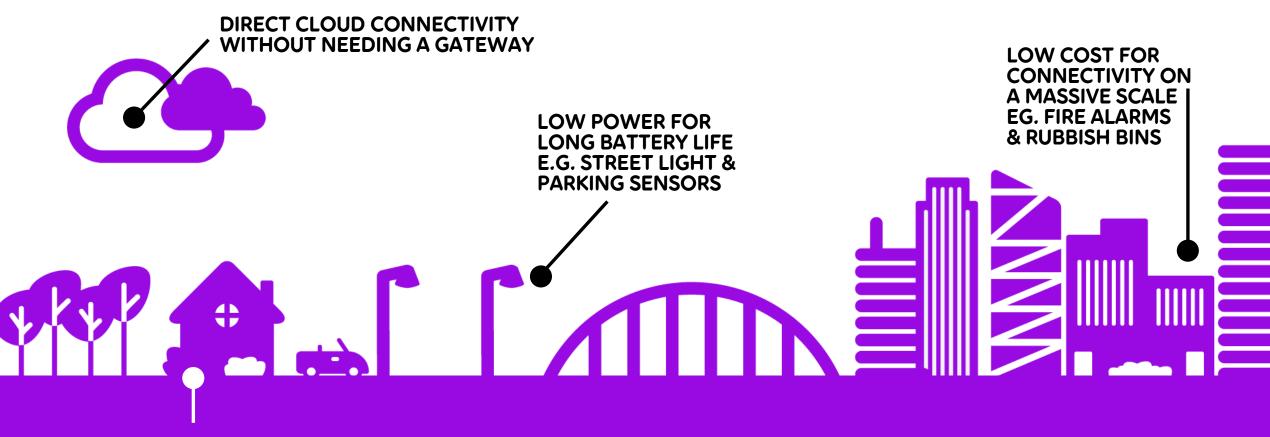
Ultra-high reliability

EMERGING IoT 5G

Ultra-high data throughput

Real-time control

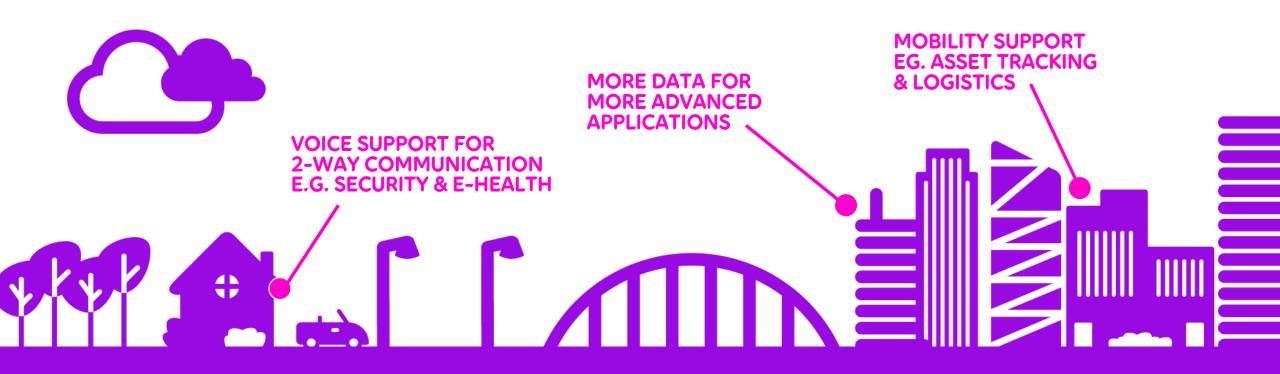
NB-IOT IN A NUTSHELL



LOW COST SENSORS FOR LOW DATA APPLICATIONS E.G. UTILITY METERS

DEEP INDOOR COVERAGE E.G. UNDERGROUND PARKING & SEWER MONITORING

LTE-M FOR MORE



NB-IOT AND LTE-M BASICS

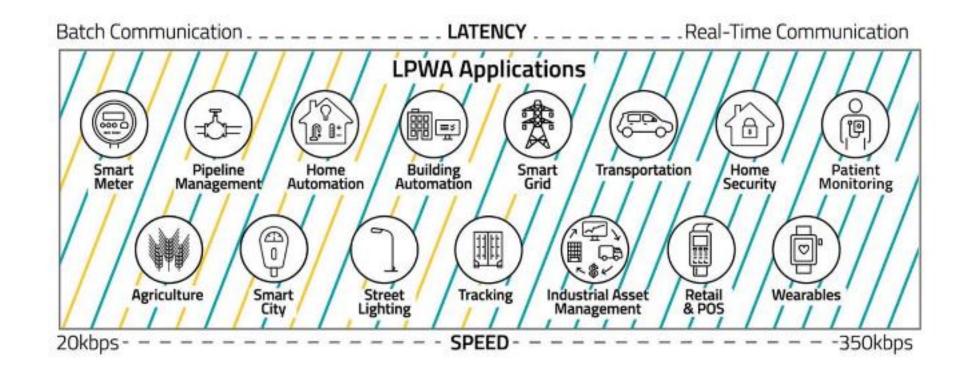
NB-IoT

5G READY

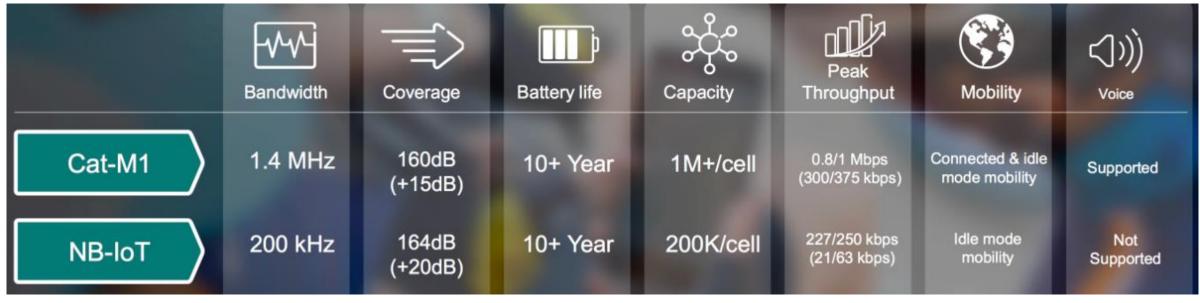
LTE-M / eMTC

5G READY

- Focused on very low data rates
- Ideal for simple static sensor applications
- Highest bandwidth of any LPWA technology
- Ideal for fixed and mobile applications



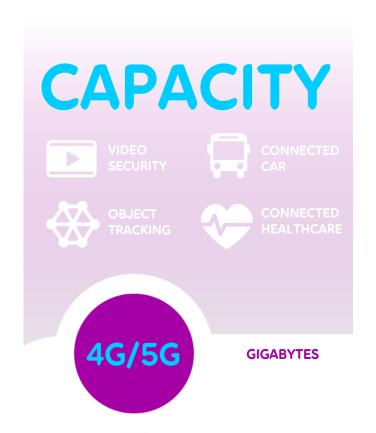
TECHNICAL SPECIFICATIONS

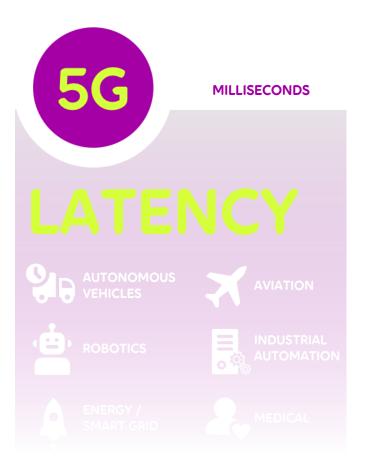












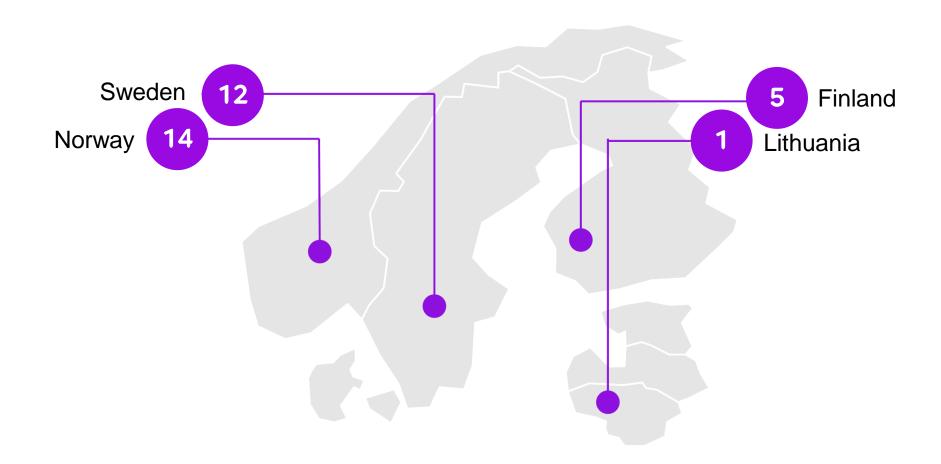


ABOUT WHAT WE DO MEMBERSHIP SERVICES EVENTS NEWS



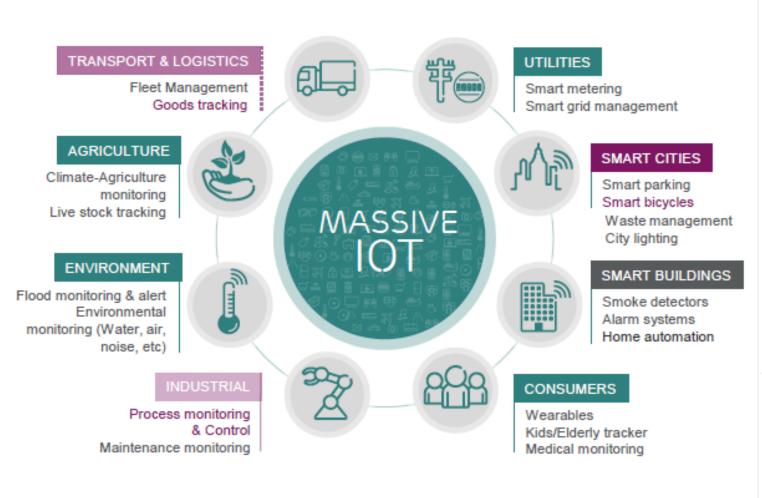


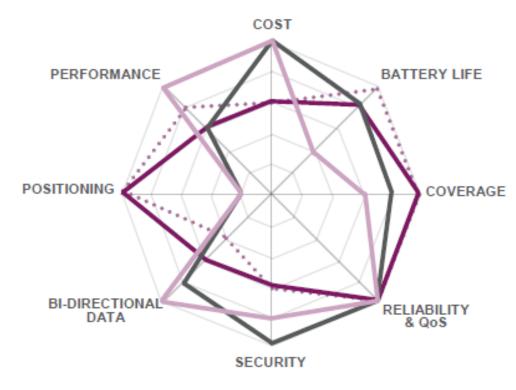
TELIA NB-IOT PILOT PROJECTS UNDERWAY





NB-IOT AND LTE-M USE CASES





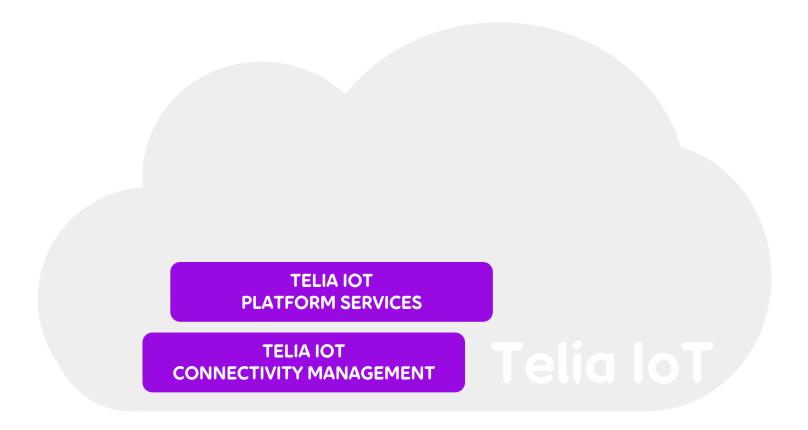
TRANSPORT & LOGISTICS: Goods tracking

SMART CITIES: Smart bicycles

INDUSTRIAL: Process monitoring & Control

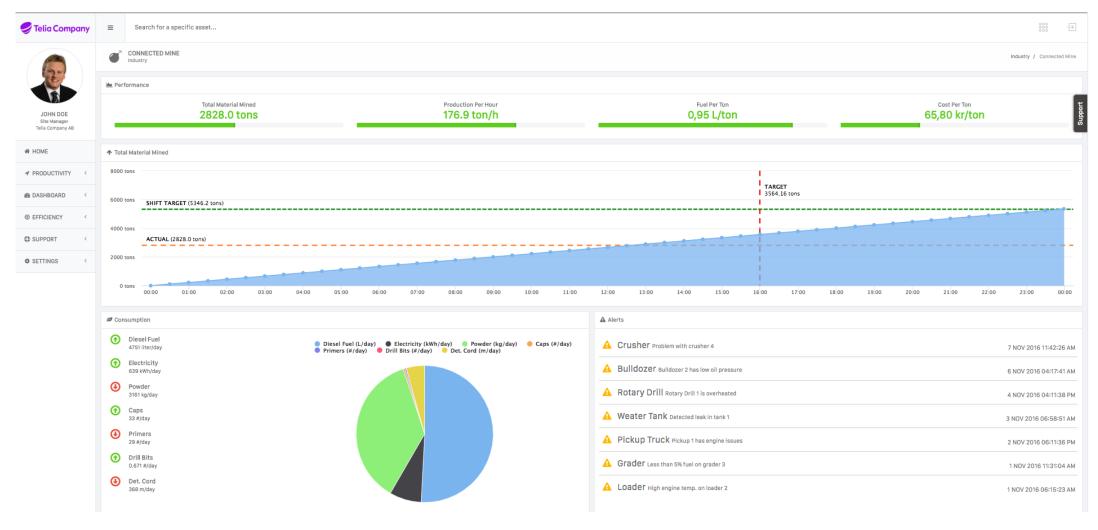
SMART BUILDINGS: Home automation



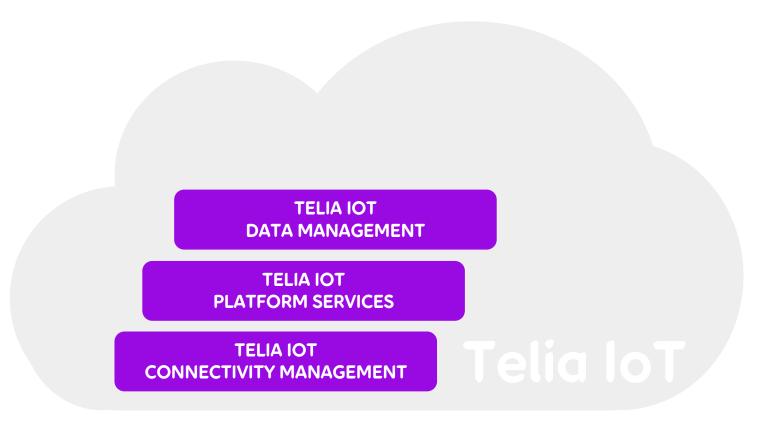




MINING DASHBOARD







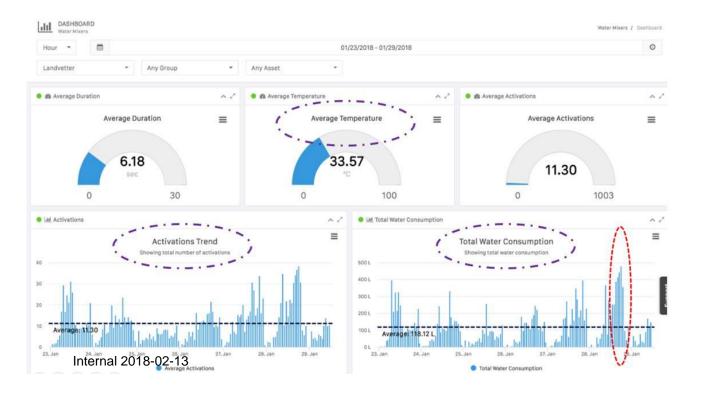


FM MATSSON FROM IDEA TO SALES IN 3 MONTHS

Our IoT Platform shows how airport travelers is interacting in <u>real-time</u> with one of the 40 water taps at Landvetter airport in the public toilets.

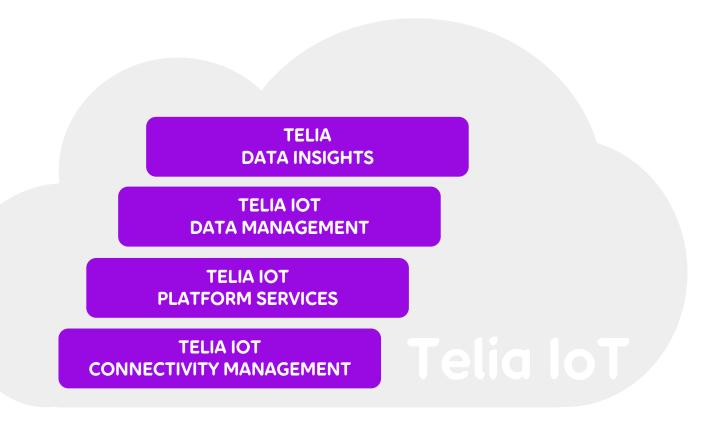
Solution: IoT Platform (DCP Integrated) + 4G to Gateways + Radiomesh to every single water tap (to be NB-IoT).

Can be replicated to many any other uses cases (street lights, garbage bins, air quality, fleet management etc.)



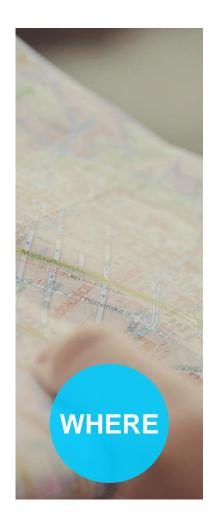








OUR BROAD AND DEEP DATA ASSETS ENABLES MANY VARYING TYPES OF INSIGHTS



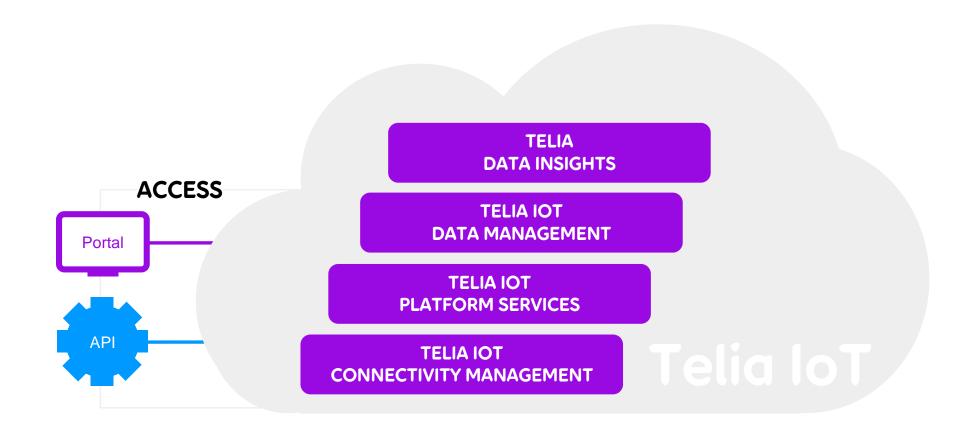




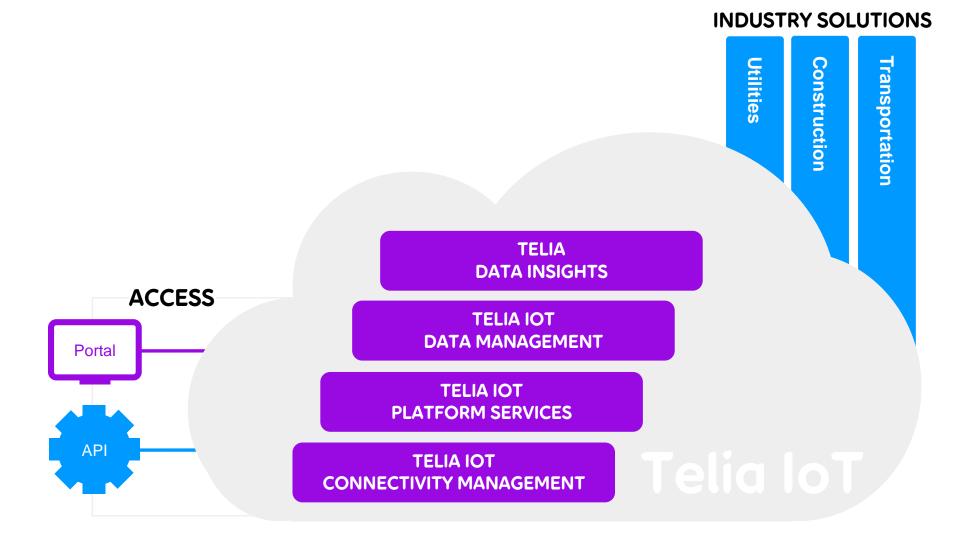




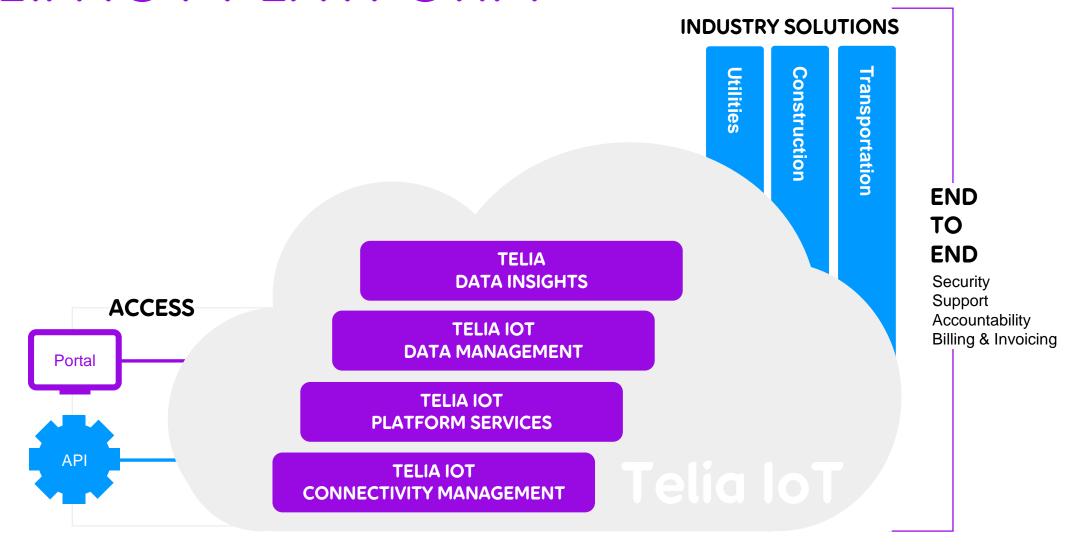






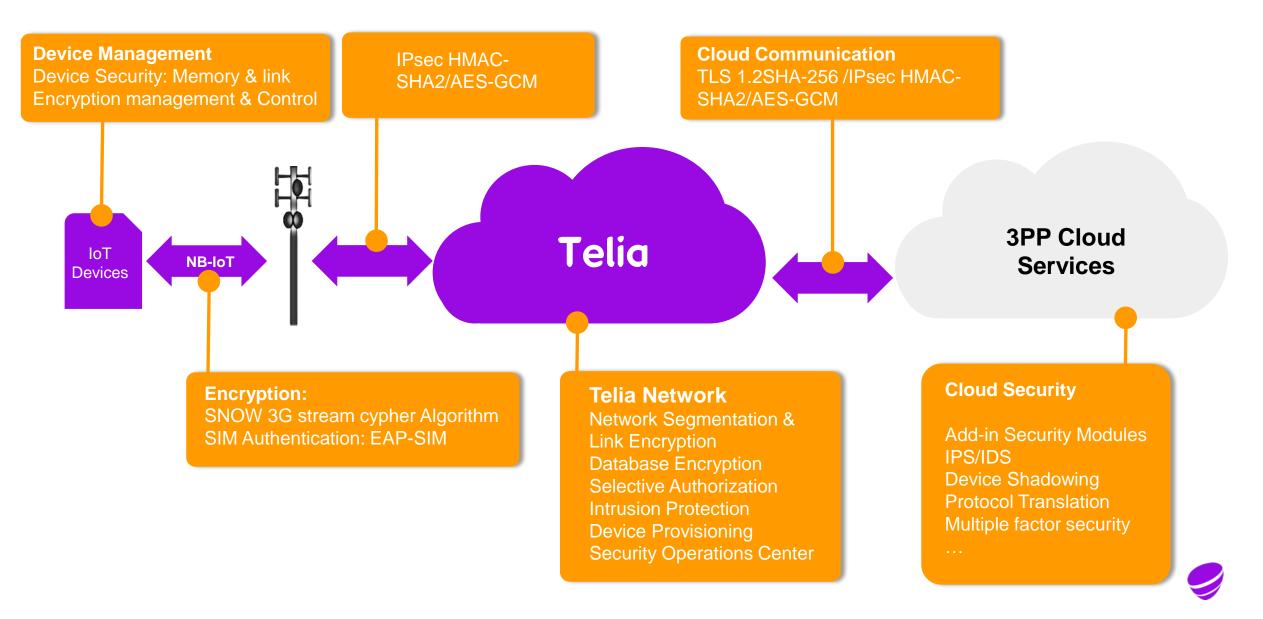








SECURITY END-TO-END



WE ARE ACTIVELY IN DIALOGUE WITH CUSTOMERS AND PARTNERS TO TRACK THE IMPACT OF TRANSFORMATION AND WE ARE PLEASED TO SHARE THE RESULT WITH YOU







