



5G AND IOT IN RUSSIA

Ulf Pehrsson, VP and Head of Government & Industry Relations
VII Russian-Swedish Economic Forum
23 November, 2017

ERICSSON PRESENCE IN RUSSIA, 2017



- **Employees** **500**
- **Location sites** **6**
 - **Moscow** head quarter **400+** employees
 - St Petersburg, Krasnoyarsk, Novosibirsk, Tyumen, Ekaterinburg (new Customer Support center planned)

OUR MAIN CUSTOMERS IN RUSSIA



MTC

Rostelecom

TELE2

MOTIV 4G



5G ENABLES NEW USE CASES



Massive IoT



LOW COST, LOW ENERGY
SMALL DATA VOLUMES
MASSIVE NUMBERS

Critical IoT



ULTRA RELIABLE
VERY LOW LATENCY
VERY HIGH AVAILABILITY



Enhanced MBB
MORE CAPACITY, LOW LATENCY

E-HEALTH

HOME

ENTERPRISE

3D CAMERA/4K
SCREEN

VR/AR

CONNECTED
CAR

TRACKING

SMART
CITIES

SMART
LOGISTICS

SMART
AGRICULTURE

SMART
METER

FACTORY
AUTOMATION

ITS

SMART
GRID

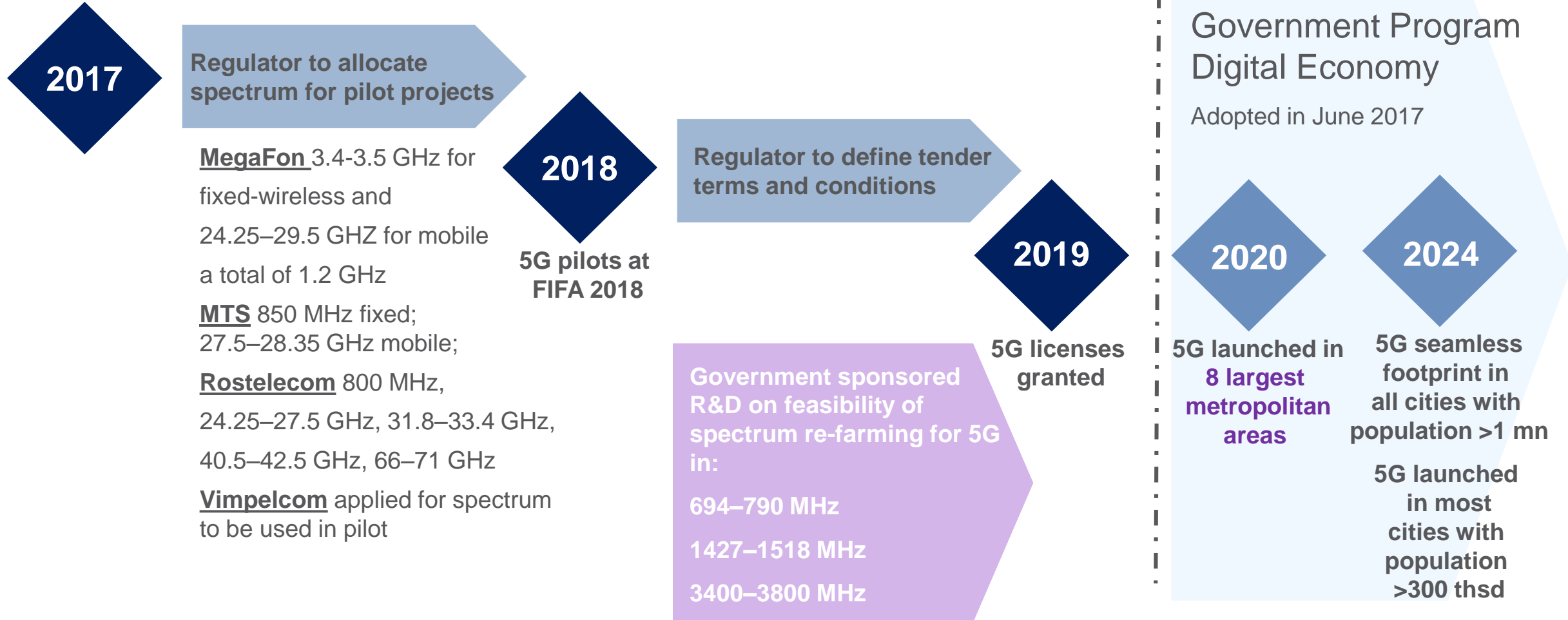
REMOTE
OPERATION

REMOTE
SURGERY

5G – THE NEXT TECHNOLOGY STEP



5G tests by Big Three and Rostelecom



MTS 5G TRIAL

April 20, 2017

Ericsson and MTS ran a demo of a live 5G network in April 2017 and have discussions on a FIFA show-case on most modern stadium in Moscow - Otkritie

- SPEED: up to 26 Gbps – speed record in Russia!
- SCOPE:
 - Multi-User, Massive MIMO
 - Beam Tracking and Dynamic TDD
 - Stationary and mobile test cases



FIFA WORLD CUP 2018 IN RUSSIA



AIR
6488

“To further demonstrate the capabilities of 5G and IoT technologies, the two companies [MTS & Ericsson] will roll out 5G demo zones during FIFA 2018 World Cup in Russia”

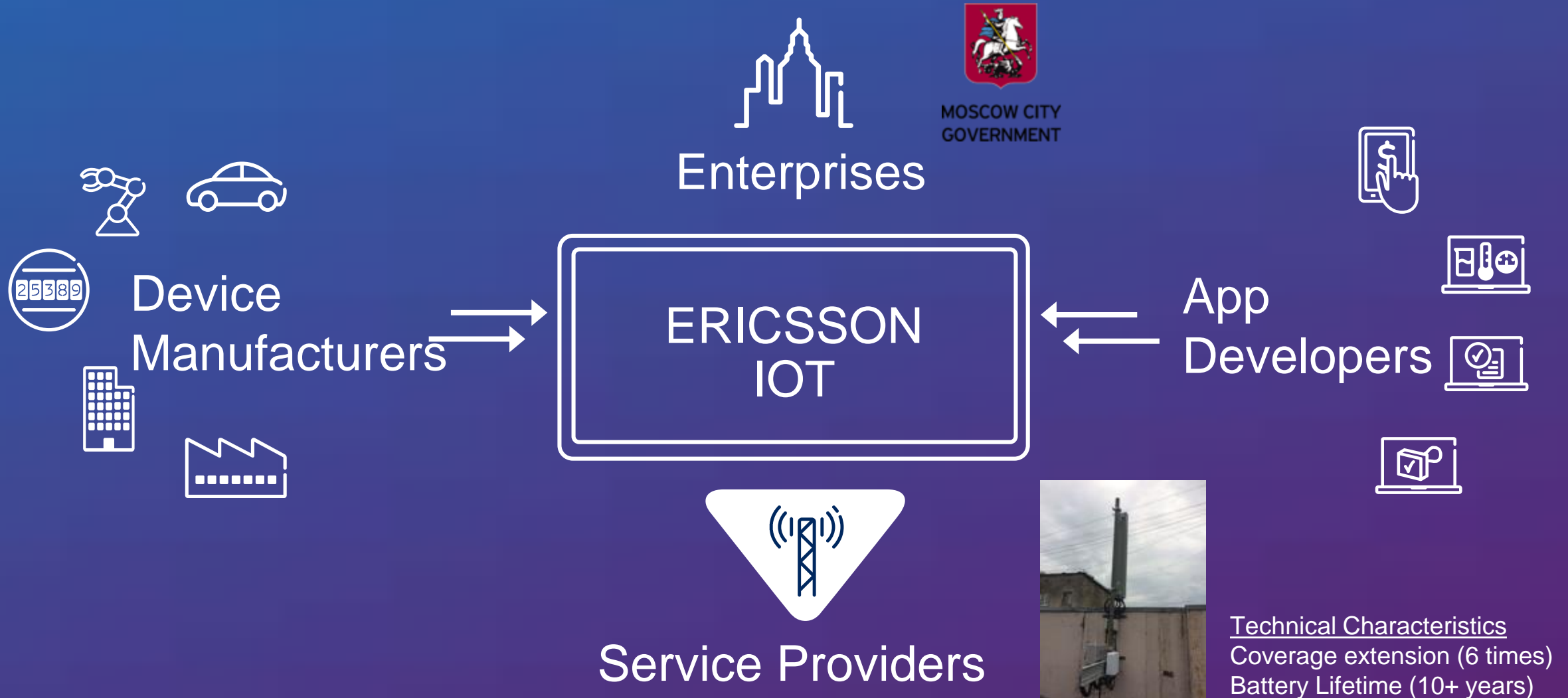
- MTS

MTS & Ericsson plans

- › Latest 5G ready products to be installed in hosting cities to handle extreme traffic
- › Based on our long term collaboration with MTS, our speed breaking 5G trial at the Okrtitie Stadium in April and our new 3 year 5G and IoT contract, we will take the opportunity to demonstrate new services enabled by 5G during FIFA
- › More details to come from our two companies

BUILDING AN ECOSYSTEM

IoT trials in Moscow, Autumn 2017





ERICSSON