



5G and why should we care?

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ISKRATEL



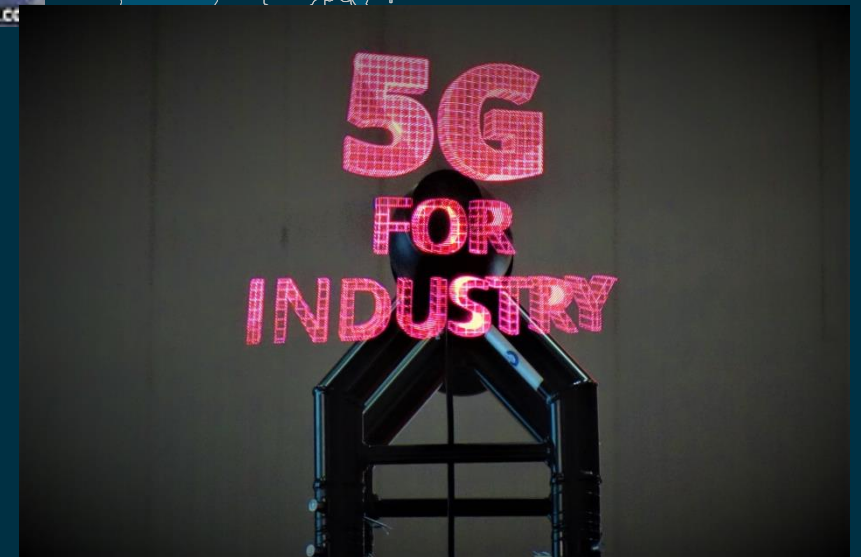
What do you think?

**Go to www.menti.com and use the code 92 06 88*

1. I think we need 5G ecosystem in Slovenia
2. 5G will bring an revolution in communication technology and business in Slovenia
3. I don't care about 5G

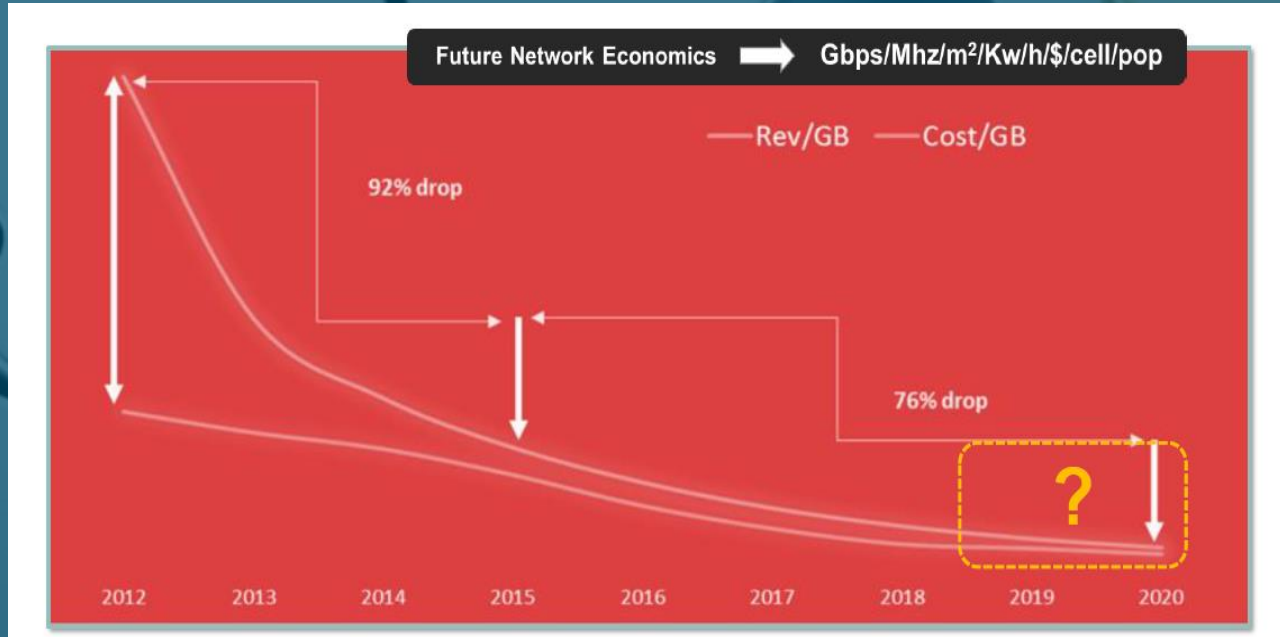


5G decision triggers, seems not just as another G!?





Where is the problem (money)?



Operators revenue 2012-2018

Europe -48%

US +71%

Asia +13%

Total 5G enabled revenue per value chain step

Connectivity and Infrastructure
230BN

Service Enablement
646bn

Application & service
432bn

Total 5G enabled revenue (2026)
1307 bn

Operator addressable share

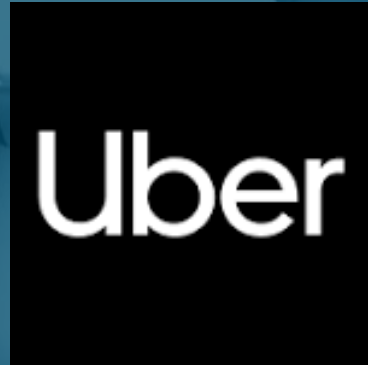
204bn, 89%

337bn, 52%

79bn, 18%



Who shall be first to customer with 5G?



Can 5G be cost effective?



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CCS: STREET-LEVEL CONNECTIVITY AT A SUITABLE COST



TURKCELL - ENERGY SAVING STRATEGIES



VODAFONE: BATTERY REPLENISHMENT



SKT: INNOVATIVE FRONTHAUL NETWORK ECONOMICS



RURALSTAR, HUAWEI, MTN GHANA: COST-EFFECTIVE DEPLOYMENT OF RURAL COVERAGE



WILLOWMORE: MULTI-ROLE ACCESS CONTROL MANAGEMENT



NTT DOCOMO: 'GREEN BASE STATION'



TELEFÓNICA: MANAGING INCREASING ELECTRICITY DEMAND



CHINA TELECOM: SMALL CELL DEPLOYMENT



POWERSTAR, HUAWEI, MTN SOUTH AFRICA: ENERGY SAVING CASE STUDY



CELLNEX: DAS AS A SERVICE



TELENOR LEGACY NETWORK ENERGY TRANSFORMATION



TANGO: AI-ASSISTED NETWORK OPERATION SYSTEM



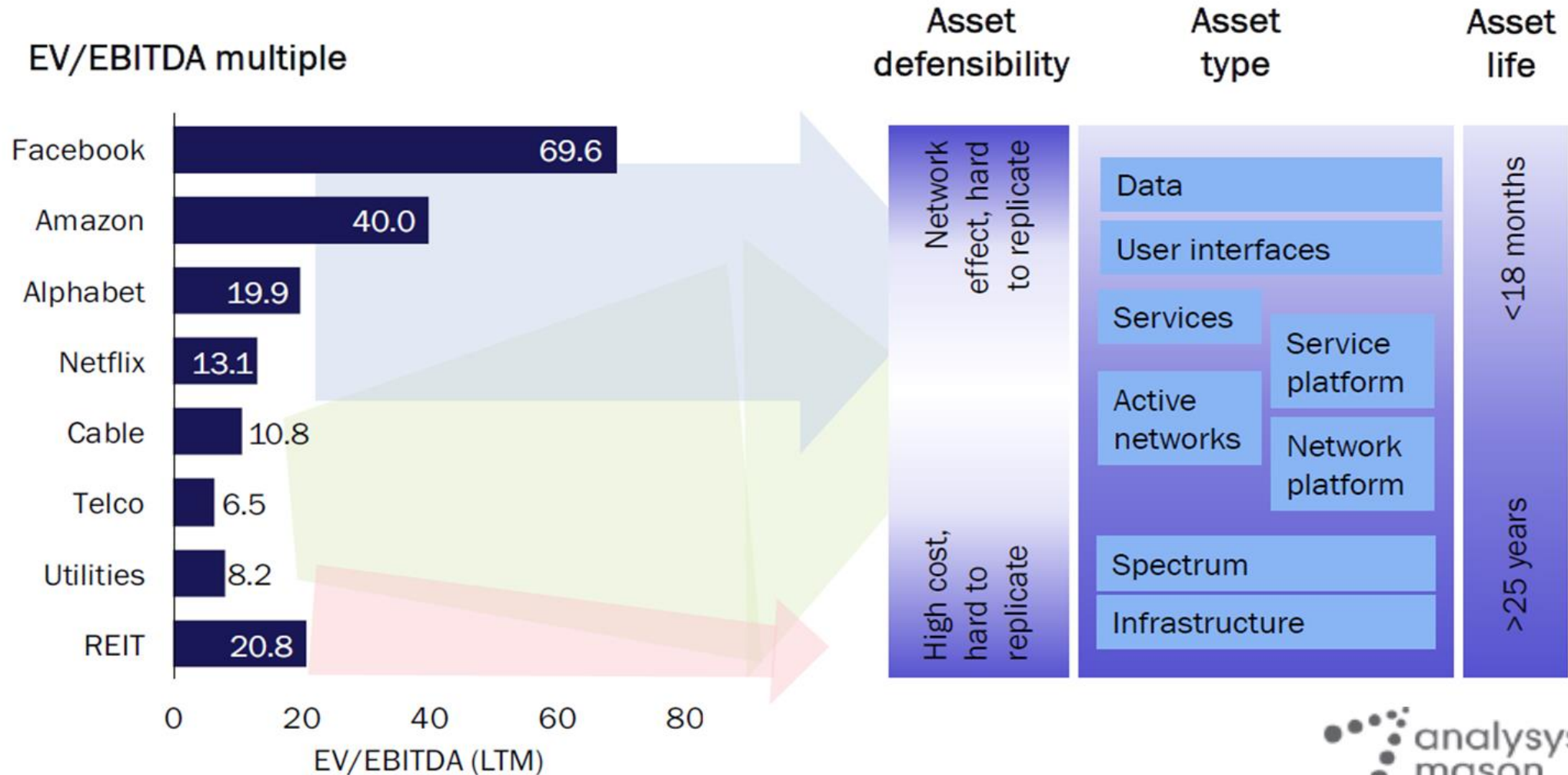
GENCELL: FUEL CELL ENERGY



Discover



Strong together or more valuable apart?



Understanding the language to enable industry slice



Security

Automation

Efficiency

Latency

Quality and robustness

Safety

Use case tailored

Rapid deployment and Field-friendly

Saving life KPI



E112 Solution

Significantly improving incident detection and response times. Real-time information, analytics and automated workflows for operators. References: Russian Federation, Kyrgyzstan.



eCall Service

Solution has proven to halve emergency-services response times in traffic accidents by sending a "minimum set of data" (MSD) notification, which provides the exact location of the incident. References: Slovenia.

5G Safety

5G broadband critical communications networks and broadband services and applications to be used by public safety, security and rescue organizations (PPDRs).



The investment is financed by the Republic of Slovenia and the European Union from the ERDF (Contract No. C3330-18-952019).





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Leading industry collaboration

- One of the **world's biggest Cloud VoLTE** (Rostelecom)
- One of the **world's biggest 112** project (Russian Federation)
- The **world's first eCall** national-wide (Slovenia)
- One of the **world's first 5G PPDR** project (Slovenian Government)
- Business telephony solutions at **13 major operators**
- NGN deployment at more than **50 major operators**
- The **world's first commercial LTE smart grid** (Enel)
- The **world's first commercial LTE MVNO** for public safety (Finish Government)
- Most **validated enterprise-core** solution in the market
- **Market leadership in railways operational communications** (Germany, Russian Federation, Ukraine, Kazakhstan)



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Building the 5G ecosystem together, Thank You!

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