

The role of Telecom Service Providers in the Smart Metering Eco-system

TAG M2M @ Croatian technology platform 2013

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Telekom Austria Group M2M GmbH - Profile

Facts and Figures

- > Telekom Austria Group is the leading Telekommunikations provider in Austria and CEE and serves customers in 8 countries with more than 41m inhabitants
- > Telekom Austria Group M2M serves as a competence center for M2M to all daughter companies of TAG and is the single point of contact for international M2M customers and partners



Core Value Proposition



Dedicated organization, experts and technologies to accompany you from design to operation



Best network in our countries and vast international roaming coverage



Modular solution with best price/performance and flexible customized services

M2M Application Areas



Automotive



Logistics & Transportation



Security & Surveillance



Consumer Electronics



Industrial & Smart Business



Energy & Utilities



Healthcare



Retail & Payment



Smart Homes & Smart Cities

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TELCOs as attractive partners for utilities regarding smart metering projects



Sources:

1.) http://www.vodafone.de/unternehmen/presse/pm-archiv-2012_201632.html

2.) http://m2m.vodafone.com/why_vodafone/customer_references/enexis.jsp

3.) <https://m2m.telefonica.com/m2m-media/m2m-news/item/315-news-g4s-utility-services-awards-telefonica-uk-one-of-the-uk%E2%80%99s-biggest-ever-m2m-wins>

Motivation for Smart Metering

1. EU legislation

- DIRECTIVE 2009/72/EC OF THE EUROPEAN PARLIAMENT , Attachment 1/ Mandate M/441 of the European Union
- Macedonia will have to align with the EU regulative for smart metering

2. Increase of revenue for the utility

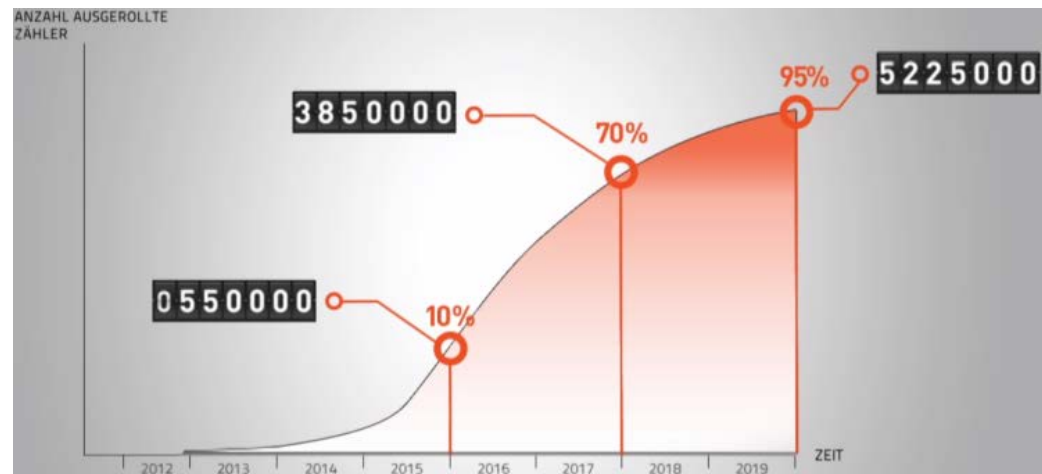
- Exact billing and prevention of lost goods
- Increase of precision when billing
- Increase of efficiency for distribution of water, gas, electricity

3. Remote management capability

- Solutions for high risk regions for remote management

4. Pay As You Grow lease model - no CAPEX needed

- Full lease model including hardware, software, connectivity, meter data management and all elements needed to supply the end user with the functionality



The introduction of Smart Metering in M2M has the most potential - ideal use of our core assets



> Smart Metering is the networked measurement of energy consumption/production for end-users with the help of Smart Meters



> Goal is more energy-efficiency through near real-time visibility on their own electricity consumption and the possibility of time/load dependent rates



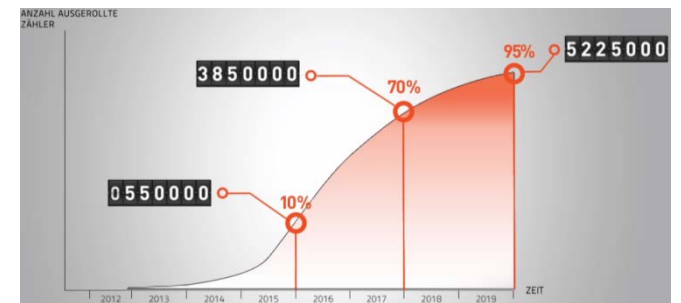
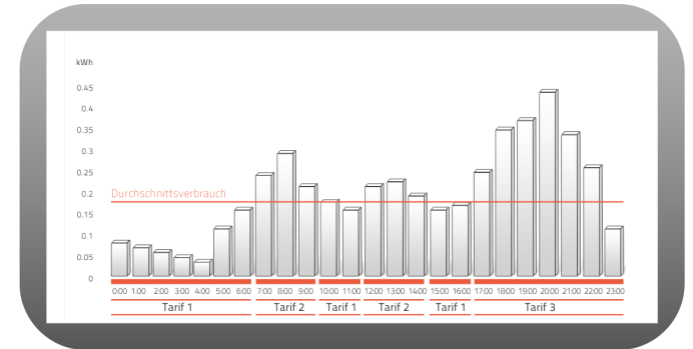
> In Austria the legal framework requires the introduction in 3 steps by 2019 - followed by the other EU TAG footprint countries by 2020



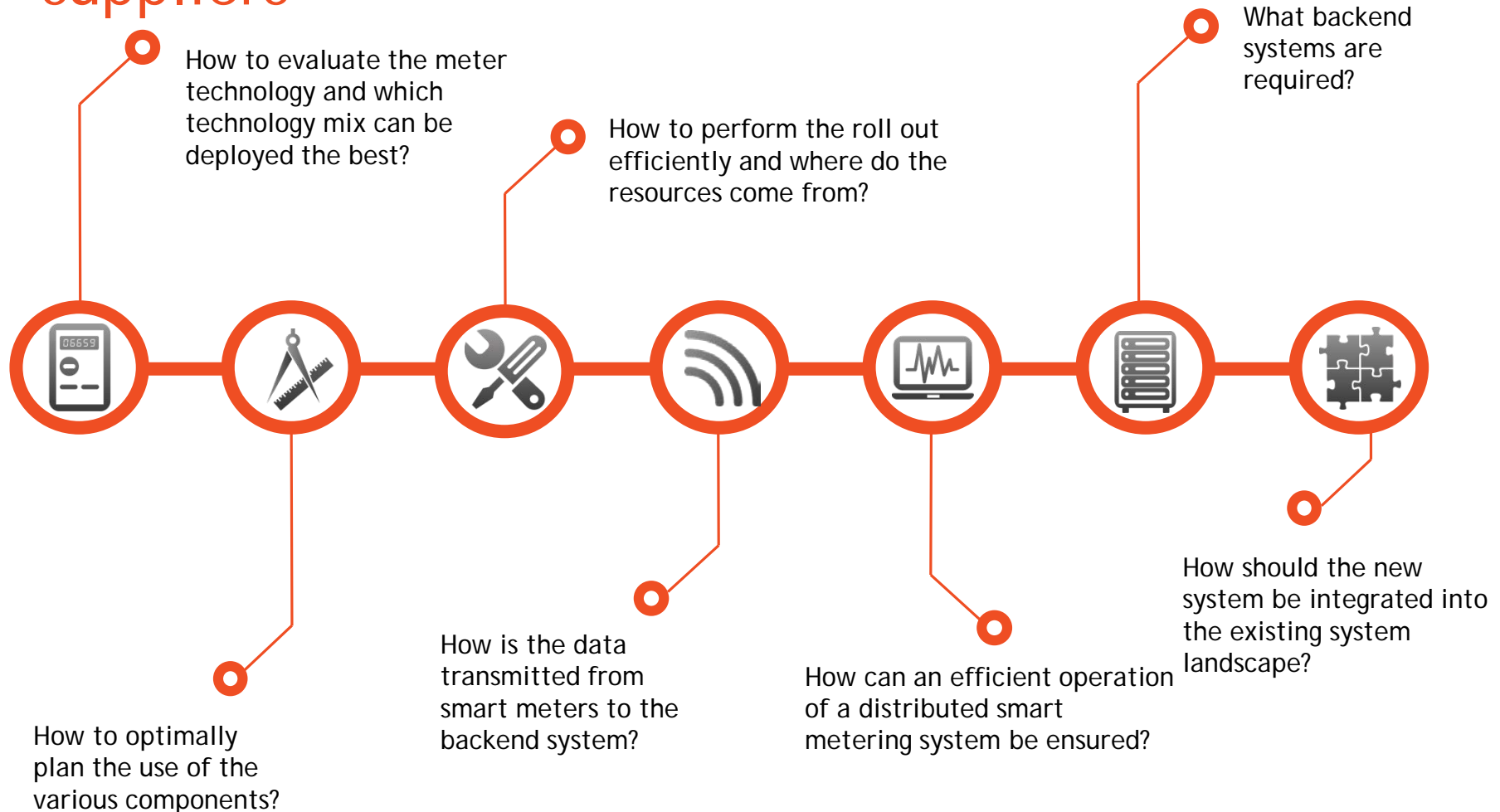
> The total investment for the roll-out in Austria will be around 1 billion euros, the current operation is about 50 million euros



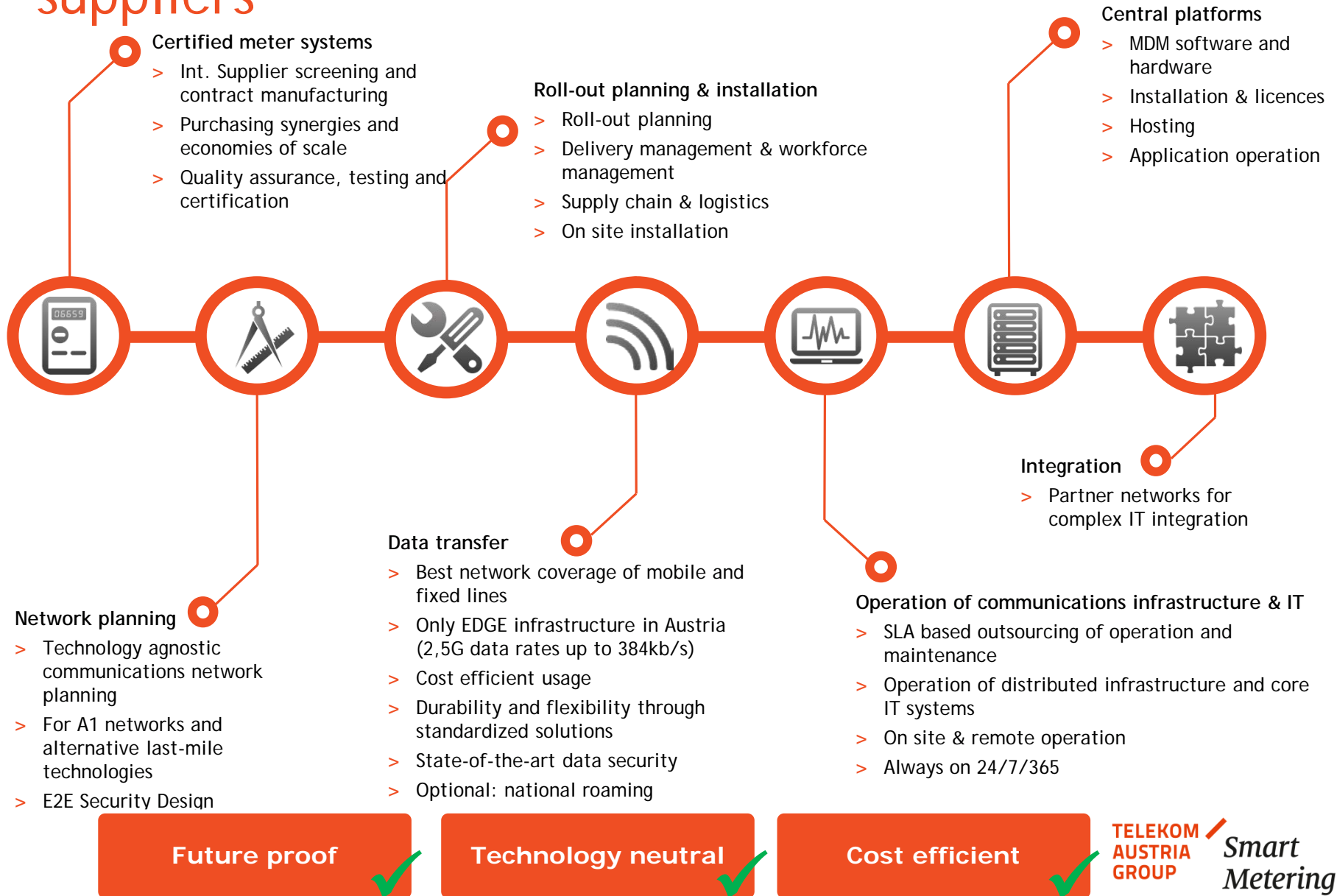
> TAG has the perfect assets for positioning itself as an E2E service provider on Smart Metering - for all utilities whose strategy allows the use of external service providers



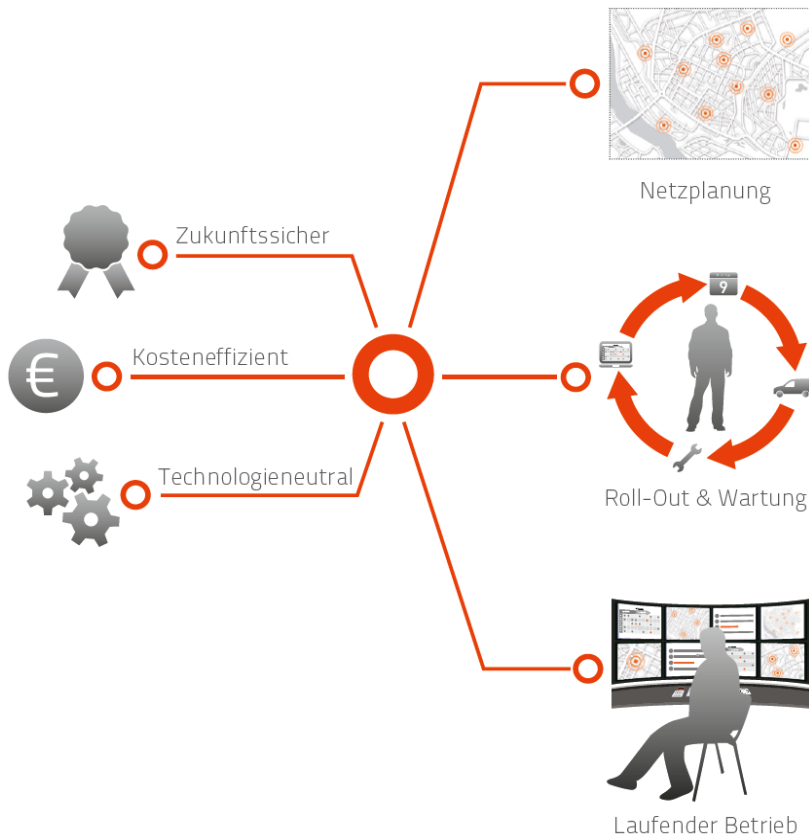
Smart metering and the challenges for electricity suppliers



Smart metering and the challenges for electricity suppliers



Telekom Austria Group - your reliable partner for smart metering planning, roll out and operation



CEEs leading communications provider, with 19.000 employees and 130 years of experience in the telecommunications business we offer many years of experience with:

- > **Complex** and **unique** IT- & communications outsourcing solutions
- > **Network planning expertise** for various communication networks
- > Experience with **roll out**, **installation**, **maintenance** and **operation** of mass-market solutions in customer households
- > *Austria's largest field service organization*
- > **Security expertise** and trained staff to meet high **privacy** and **data security** requirements

Telekom Austria Group has the required experience, expertise and resources to handle smart metering with cost efficiency and security.

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Thank you for your attention!

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Metering* 