

WEBINAR SERIES ON
"IoT/M2M APPLICATIONS
FOR VERTICALS"

Webinar on **Utilities**

SCAN TO
REGISTER



 4 May 2022

 2:30 PM – 5:30 PM IST

tsds
India's Telecom SDO

Co-organisers



Webinar on Utilities

GLOBAL CASE STUDY ON STANDARDS BASED DEPLOYMENT

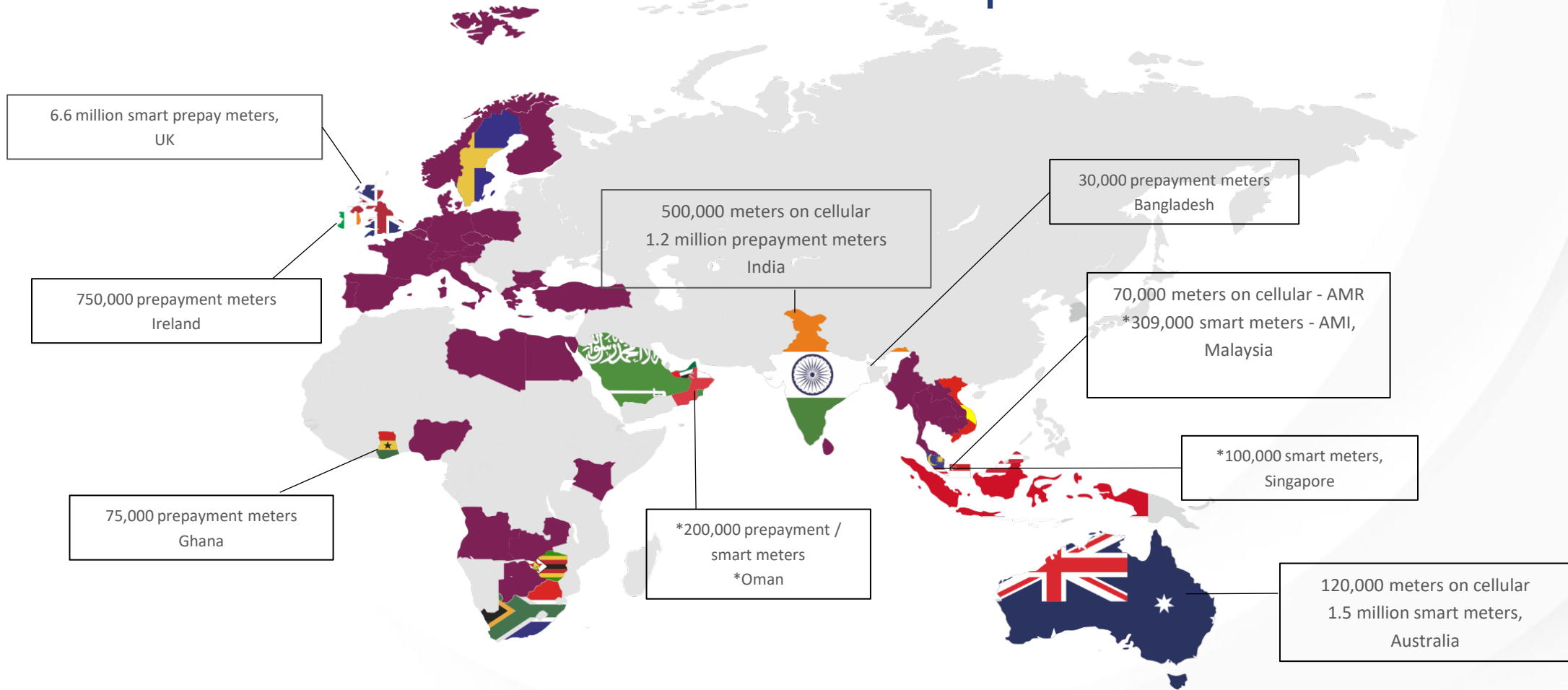
Experience of Smart meter rollout
in UK and Australia

By

Koustubh Patil

Secure Meters Limited

Global AMI and AMR experience



*under execution

Smart metering system operator

8 years

34 energy suppliers

72 million UTRN codes

66 million SMS messages

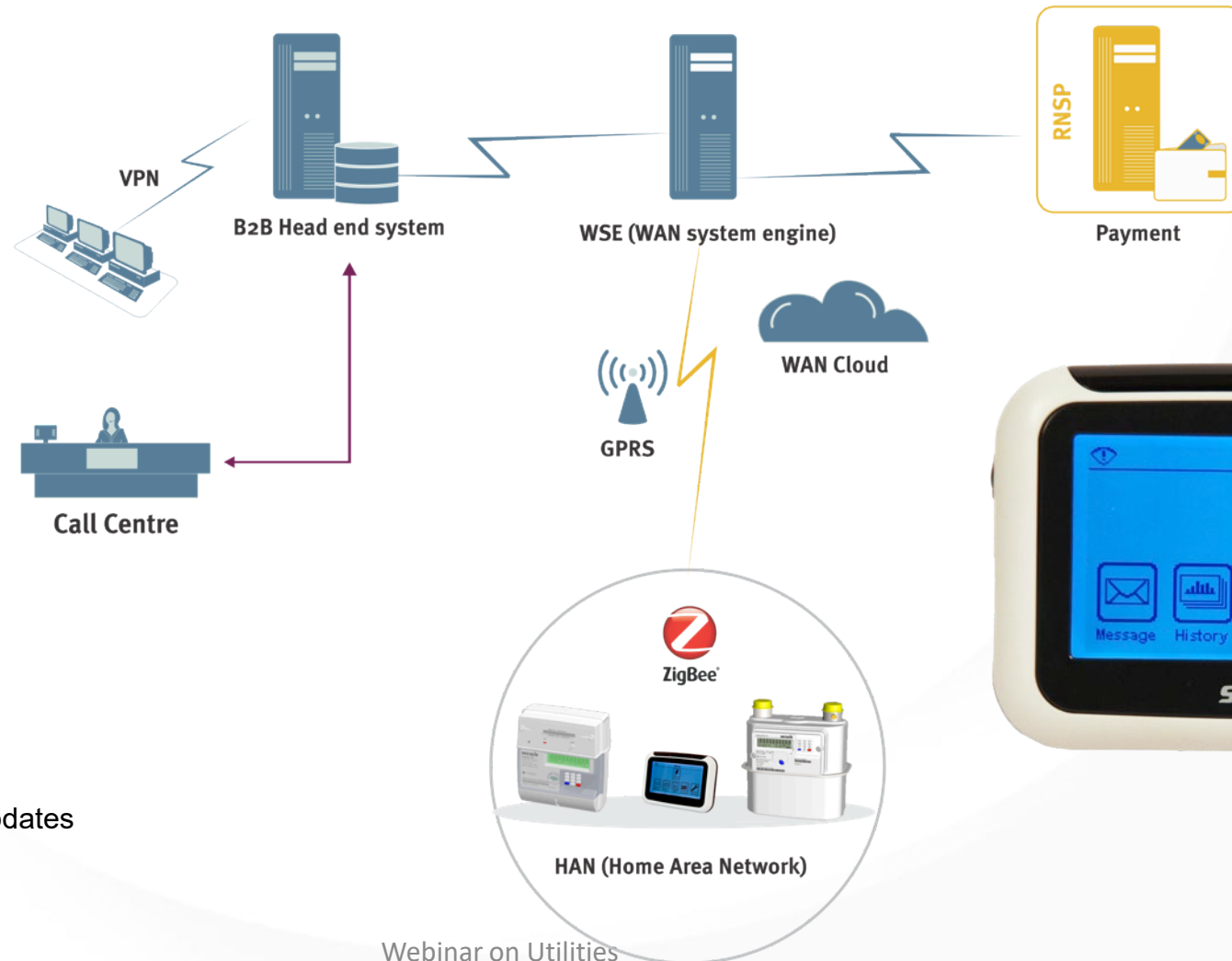
140 million alarms and alerts

98 % scheduled data collection

250 million on-demand requests

99999 thousand remote firmware updates

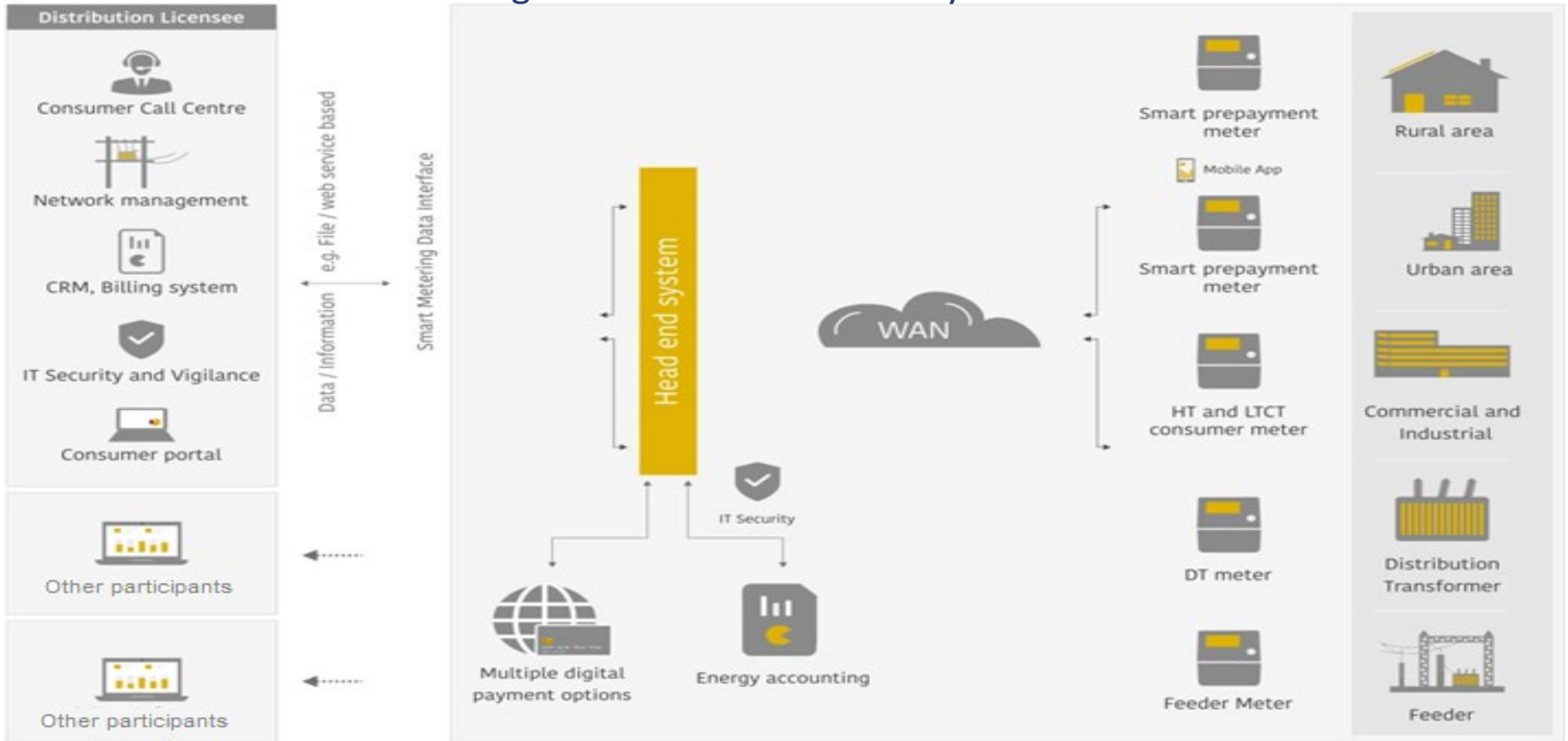
6,600,000+ smart meters





AMI-Service Provider (AMISP) - India

End-to-end smart metering data as a service delivery model



Challenges of running AMI/AMR

- Ubiquitous coverage of any cellular network technology by the Communication service provider (CSP) is difficult to achieve
- Vast improvements in the field of cellular communication result in upgradations of network services, and, old technologies becoming obsolete or non-viable to maintain
- Networks priorities and preferences to services of high revenue streams (Voice vs data)
- Presence of radio Not Spots
- Signaling storms in network due to **uncontrolled behavior** of M2M devices

Recommendations for running AMI

- Virtual network provider and/or intra circle roaming. This will help the M2M devices to latch on to networks with optimum signal and network performance. Further eSIM with eUICC can enable easy installations, and change of CSP to ensure that the M2M assets endure service for their lifetime
- Technologies which will endure time and are in continued roadmap of 3GPP (NB-IoT which will continue to be served from 4G into 5G)
- Technologies such as NB-IoT which operate on side band and do not cause network congestion causing interference to consumer services
- Technologies such as NB-IoT which has better radio penetration than LTE CAT1
- Implementation of GSMA connection efficiency guidelines

Thank You

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