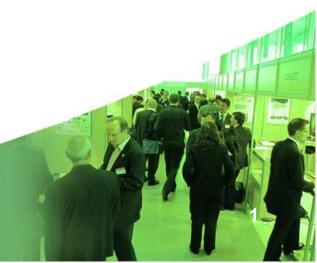




Celtic-Plus Proposers Day 29 June 2015, Issy les Molineaux

Smart & Energy Efficient end to end security deployment platform for IoT

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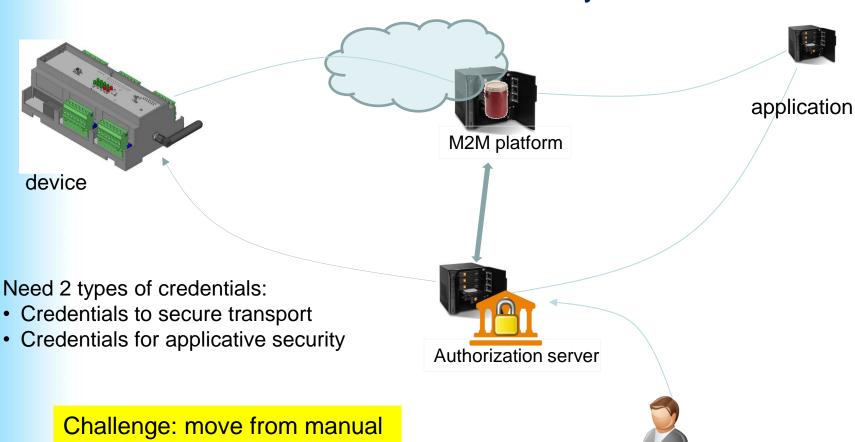




Teaser



IOT end to end security



to managed provisionning

Administration interface



Organisation Profile



Gemalto world leader in digital security





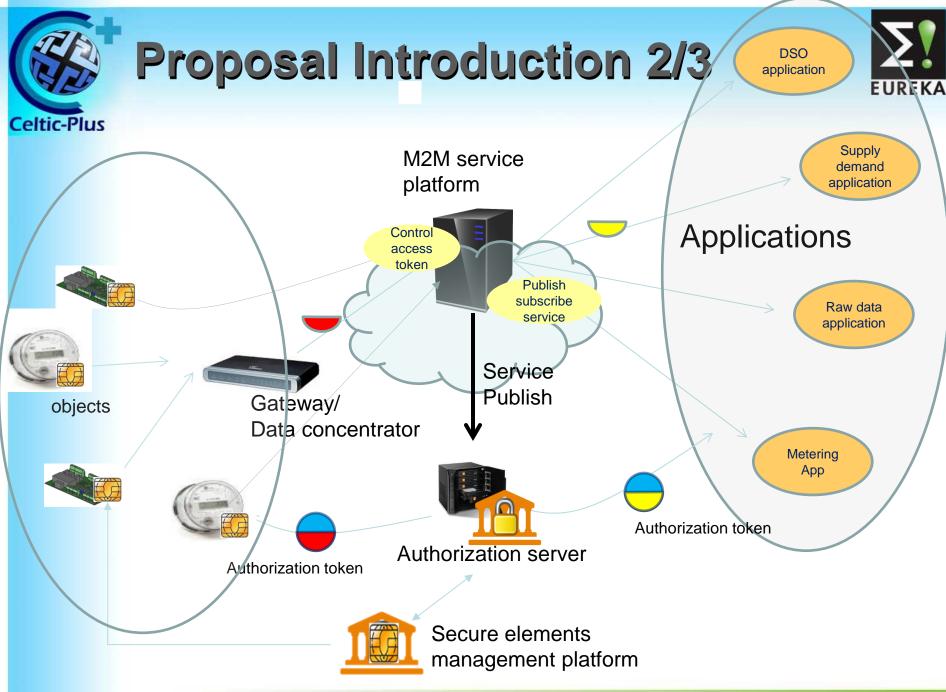
Proposal Introduction 1/3



- Smart & Energy Efficient end to end security deployment platform for IoT Motivation
- Today's deployments are proprietary, fragmented and lack interoperability; although underlying security mechanisms exist they are in many case difficult to deploy and to manage
- Mechanisms for credential provisioning are not suited for large scale deployment
- Power consumption of implanted security features is hardly acceptable for battery powered devices.

Content

- An innovative architecture supporting the separation of data communication & credential distribution
- Fine grain authorization management to automate credential distribution.
- Enhanced credential protection in IoT nodes
- Ultra low power secured radio
- Energy efficient cryptography
- Final demonstration via use cases in smart city environments





Proposal Introduction 3/3



Expected outcome, impacts, schedule

- Solutions provided will allow secure and reliable deployment of IoT services in a short term perspective
- Facilitate the deployment of use cases involving a peer to peer business model in addition to the traditional provider/ subscriber model
- Ultra low power secured IoT Nodes
- Standardization of credential management for IoT



Partners



TODAY's Consortium

- Infineon Germany: Integration of security in low power sensor nodes
- G&D Germany: Secure SW provider and trusted service management
- NXP Germany: end-2-end h/w security; SE based trust anchors
- NXP France: Embedded Zigbee, SOC Solution, BLE, NFC
- CEA Leti France : Ultra Low Power radio architecture
- Gemalto France: Credential Management and Provisioning, eSE.

Partners we are looking for :

- Large companies, SME's, academics from all C+ countries working on:
 - Home /building automation
 - Facility management
 - City management services



Contact Info



For more information and for interest to participate please contact:

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