Physikalisch-Technische Bundesanstalt
National Metrology Institute

Industry: BIZERBA, DIEHL Metering, Itrón, sartorius, Espera, GILBARCO VEEDER-ROOT

NMIs: PTB, RISE, CEM Centro Español de Metrología, METAS Federal Office of Metrology

Science: Technische Universität Berlin

# The Metrology Cloud: WP2 „Reference Architectures“

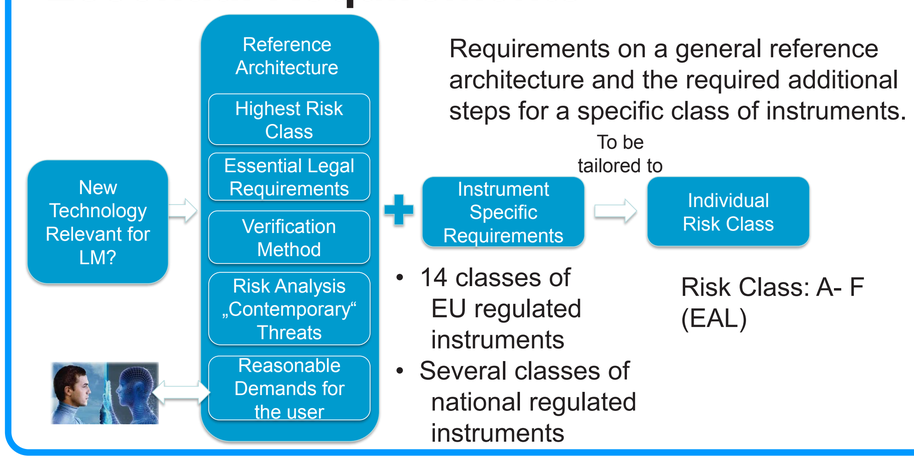
Alexander Oppermann & Dr. Daniel Peters

## Reference Architectures Requirements

### Motivation

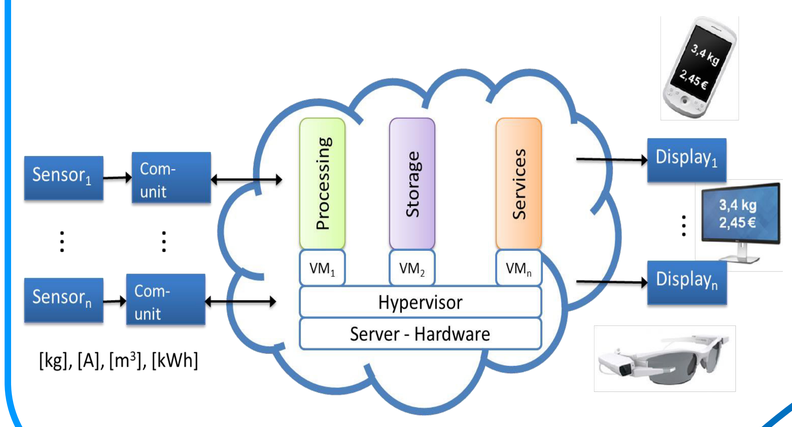
- Generic approach to deduce relevant and future-proofed technologies for legal metrology.
- By creating a prototype that fulfills European regulations, such as WELMEC and MID.
- Prototype can serve as multiplicator for market acceptance

### Essential Requirements



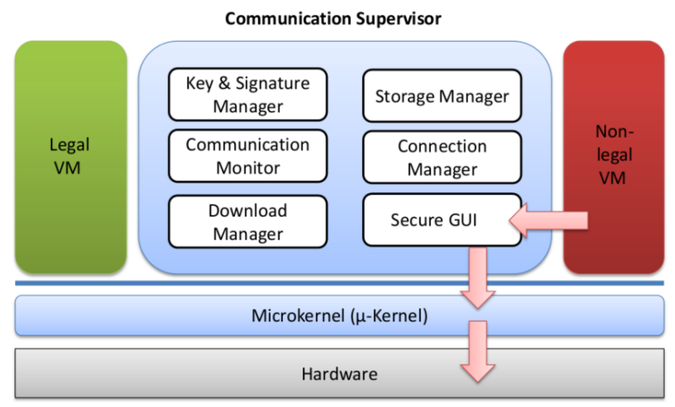

## Overview of all Reference Architectures

### Secure Cloud

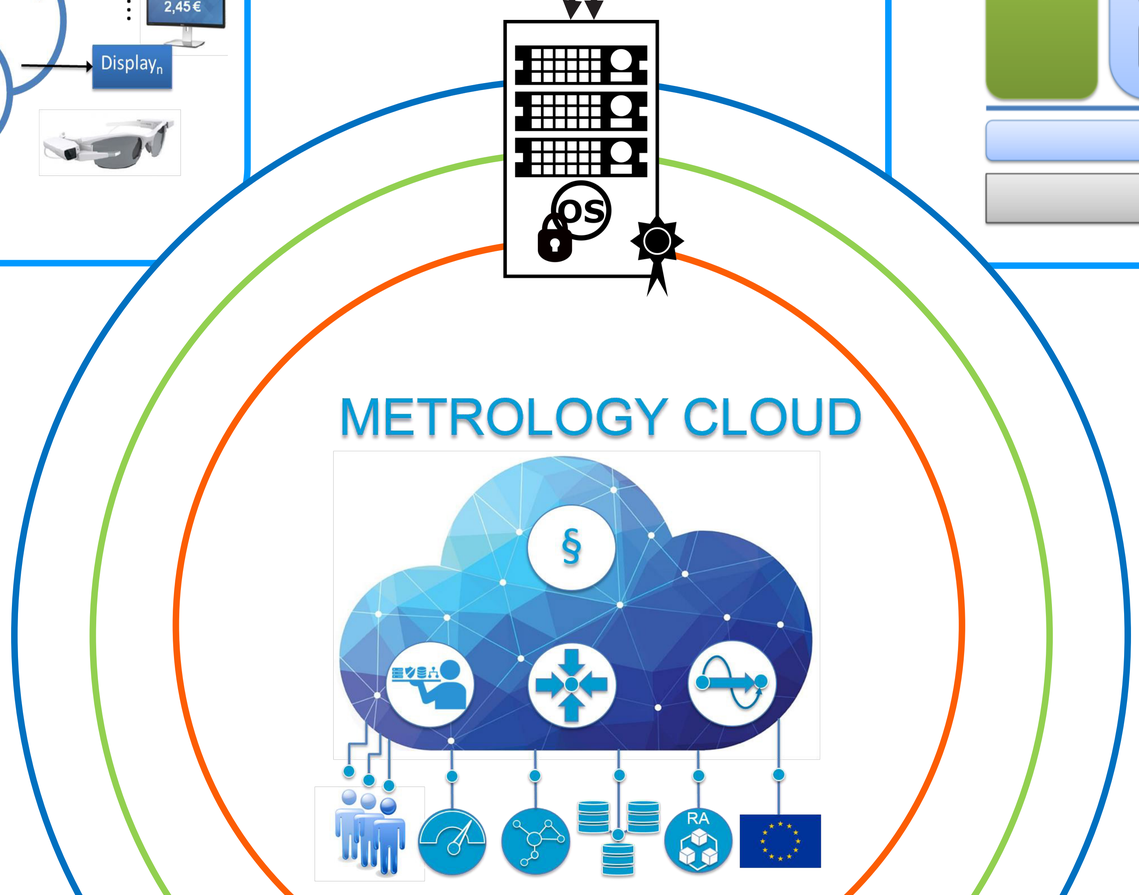



Ansprechpartner: A. Oppermann

### Secure IoT

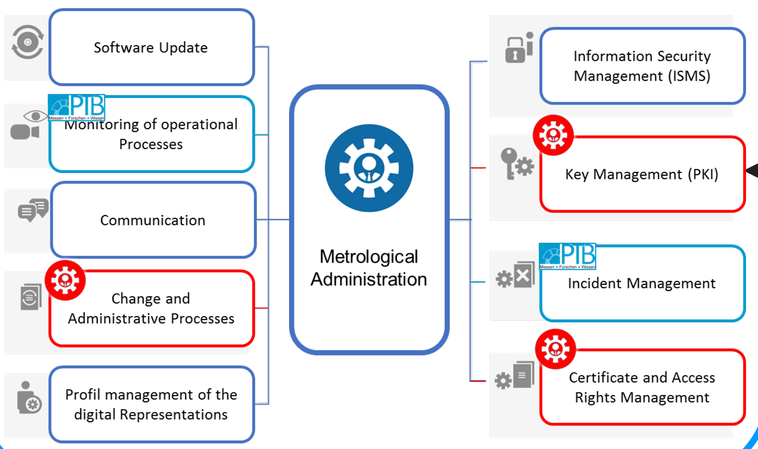



Ansprechpartner: D. Peters



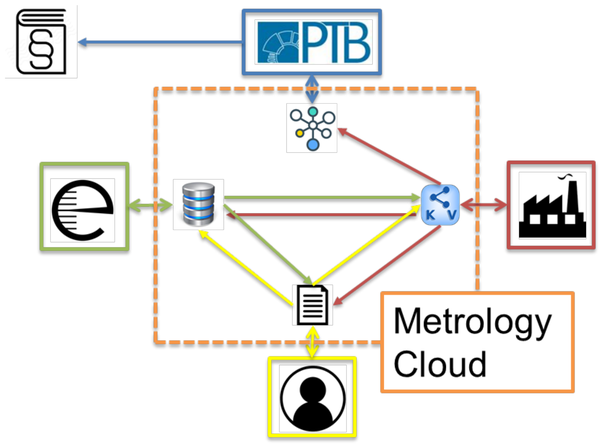

Ansprechpartner: J. Wetzlich

### Metrological Administration




Ansprechpartner: M. Dohlus

### Data Integration




Physikalisch-Technische Bundesanstalt
National Metrology Institute

Abbestraße 2–12
10587 Berlin, Germany
www.ptb.de

Alexander Oppermann
Working Group 8.52
Metrological ICT-Systems
phone: +49 30 3481-743
e-mail: alexander.oppermann@ptb.de