

UTIMACO PKI – The Root of Trust for Any Connected Environment

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Creating Trust in
the Digital Society


utimaco[®]

Use Cases for Public Key Infrastructures

PKI ensures:



Secure authentication of entities



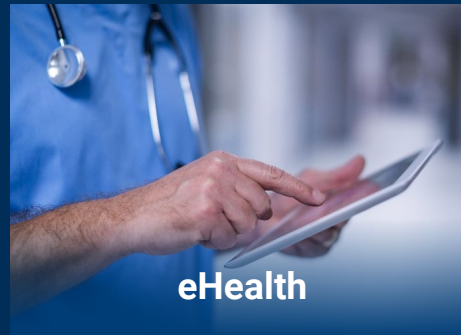
Confidentiality in their communication



Integrity of data generated and exchanged by them



Smart Metering



eHealth



Code Signing



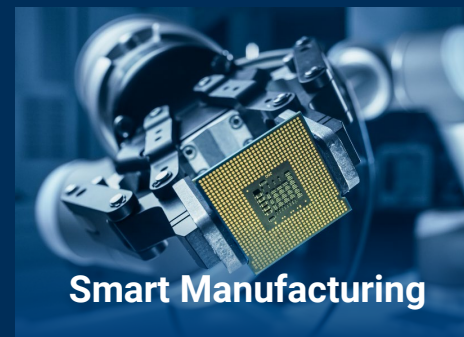
Smart Home



Plug & Charge



Mobile Services



Smart Manufacturing



IAM in Organizations



UTIMACO
u.trust Identify



Certificate Authority (CA)



Validation Service (VS)

Online Certificate Status Protocol (OCSP)
Proxy and Responder, as well as CRL support

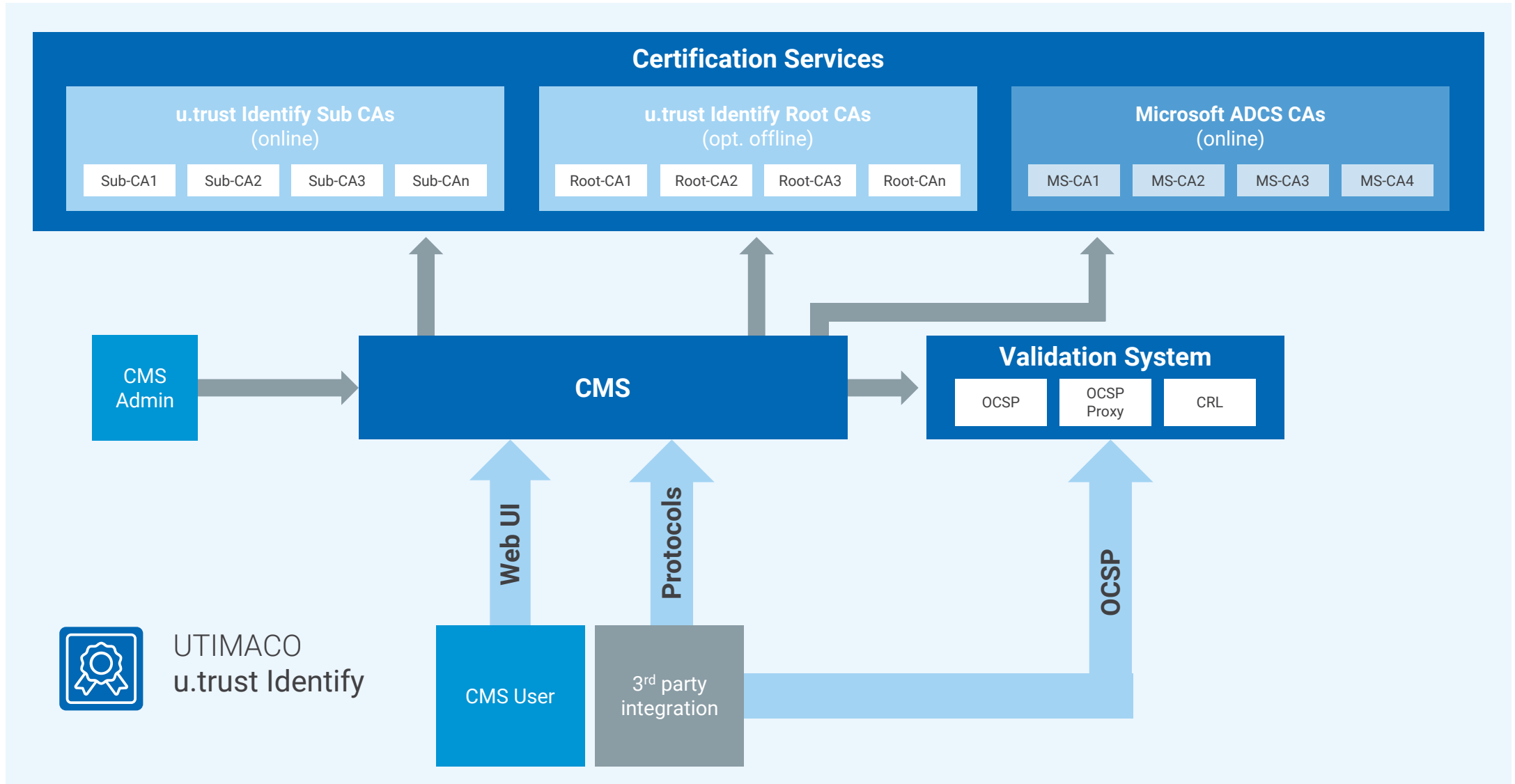


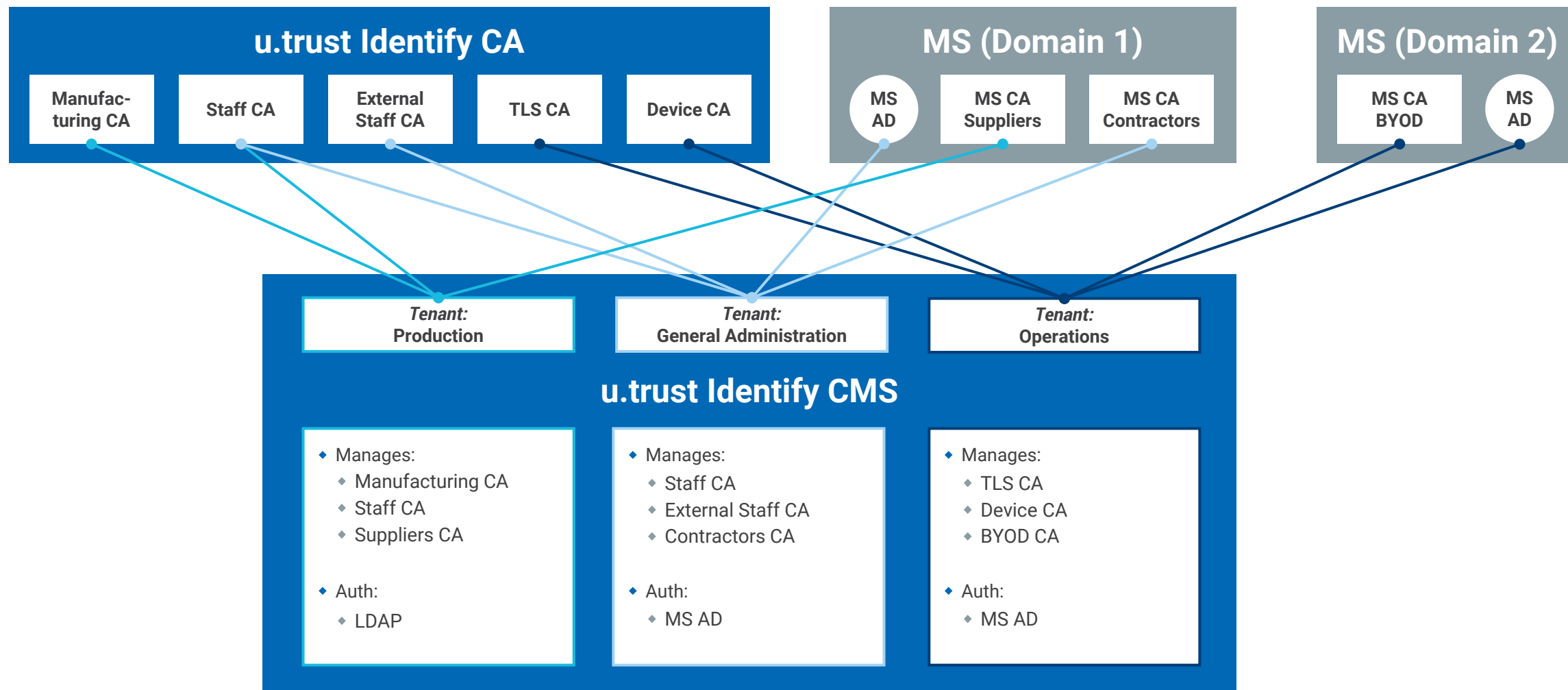
Certificate Management Systems (CMS)

Which also acts as a Registration Authority (RA)



**Active Directory Certificate Services
(ADCS) integration support**







UTIMACO
Public Key Infrastructure
u.trust Identify



UTIMACO
HSM
SecurityServer



UTIMACO
PQC Firmware Extension
Q-safe



Deployment of a **trusted PKI**



High-volume generation
of unique public-private
Key Pairs



Enables **future-readiness**
for key security



Built-in support for
SecurityServer HSM



Highest security
for private keys



Proven solution
for **large scale setups**

The Crypto-agile Public Key Infrastructure for the Post-Quantum Age

Hash-based
signature schemes **HSS,**
XMSS, and XMSS-MT
recommended by NIST
and BSI for the creation
of long-term secure
signatures

Supports
digital signature scheme
CRYSTALS-Dilithium
recommended
by NIST

Diversity and internationality are the key to our success



Founded **1964**
Private company



50+ years in IT and
35+ years in IT security



500+ highly
skilled experts



100 million Euro
revenue in FY 22

Visit us on
Booth 116,
Hall 7A!

Thank you for your attention!



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