



**MOBILITY
SOLUTIONS**

FUTURE-PROOF MOBILITY SERVICES

**LIBERATING DATA
EMPOWERING DRIVERS**





COMPANY SNAPSHOT

**ESTABLISHED IN 2016, FIRST TRIALS IN 2011:
SERVING FOUR INDUSTRY SEGMENTS TODAY.**

MAJORITY HELD BY FOUNDERS:

- TOM FÜRSTNER (FOUNDER & CTO) –
EXPERT IN CRYPTOGRAPHY AND TOKENOMICS
- ALEXANDER KOPPEL (CEO) –
EXPERT IN MARKETING & PRODUCT DEVELOPMENT

FIRST COMPANY TO BUILD BLOCKCHAIN-DEDICATED HARDWARE.

VARIOUS INTERNATIONAL AWARDS

TOTAL NUMBER OF STAFF: 40

HEADQUARTER: VIENNA, AUSTRIA

FINTECH



ENERGY



MATERIALS



MOBILITY





OUR BLOCKCHAIN TECH PLATFORM

**SECURELY
STORE
AND
MANAGE
DIGITAL
ASSETS.**

RIDDLE&CODE offers a comprehensive and banking-grade end-to-end infrastructure. It provides unmatched versatility and security for the emerging digital asset space. Digital assets do include both data coming from trusted data sources as well as tokens / coins for value transactions.

As a cloud-based platform with hardware-rooted security, it manages all aspects of key generation and management, digital asset custody, full regulatory compliance and full token lifecycles – all using a best-of-breed technical platform that is both interoperable and offers a cost and energy-efficient state-of-the-art solution.

Our platform also provides the necessary tools to enable all types of business logic and confidential data handling.





SECURING CRITICAL INFRASTRUCTURES

For the finance sector, we have developed our highly secure backend platform, based on sophisticated key management.

In combination with dedicated crypto hardware solutions we design (Car Wallets, Trusted Gateways, Crypto Tags), we create interfaces between the physical & the digital worlds.

This stack is already live with energy, banking and materials customers, enabling decentralized settlement and tokenization layers for supply chains, P2P energy trading, circular economies or mobility data marketplaces.

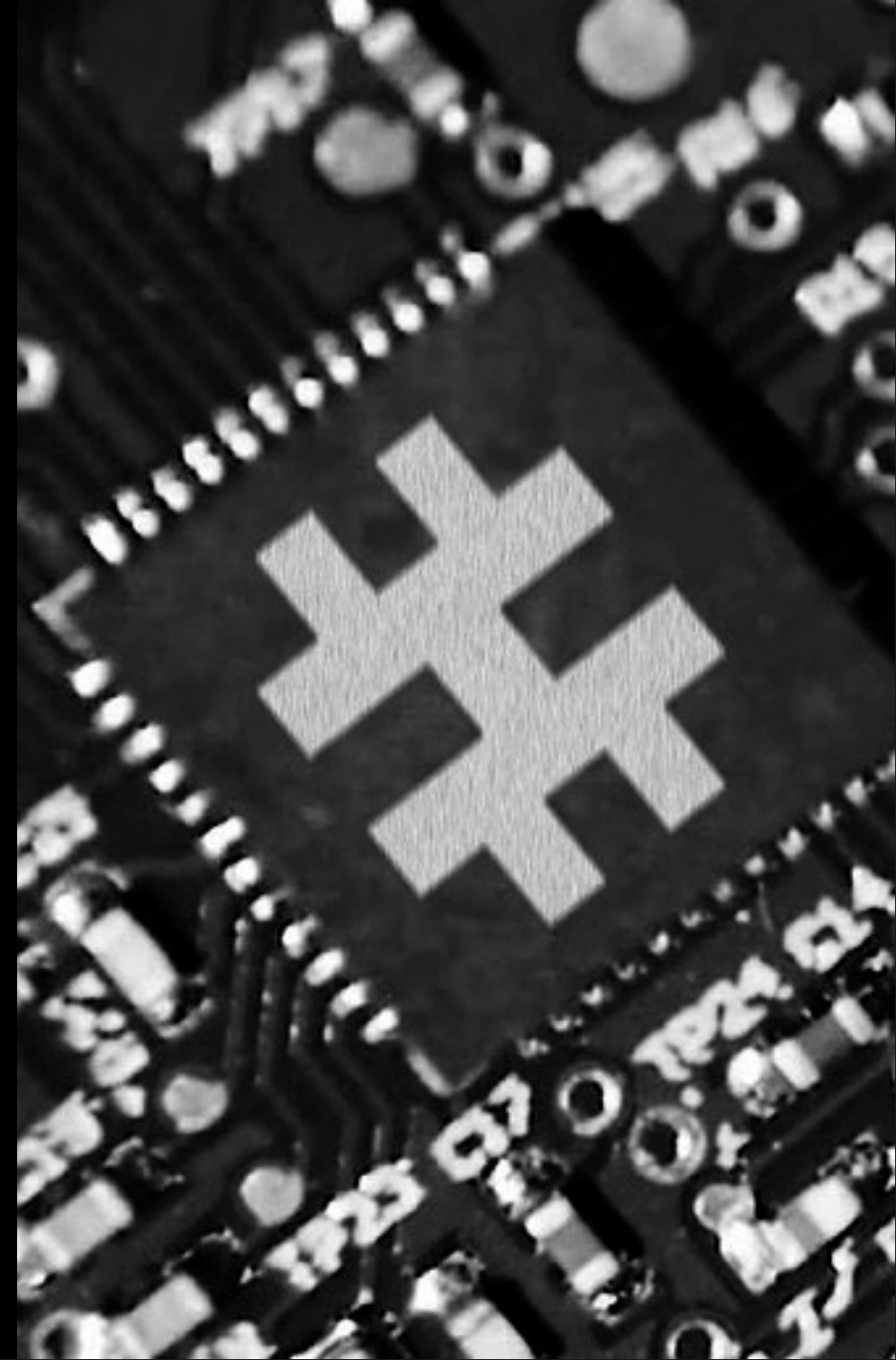
Together with partners from the chip and telco industries, we're thus paving the way for M2M and Token2X networks in the mobility sector on the infrastructure level.





RIDDLE&CODE's STACK

LINKING THE PHYSICAL WORLD WITH FINANCIAL SYSTEMS IN A TRUSTED & SECURE WAY



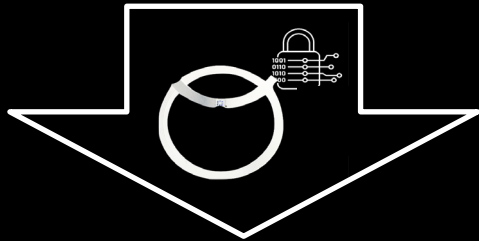


THREE PILLARS OF RIDDLE&CODE SOLUTIONS

① IDENTITY

Crypto chip creates / secures key pair and attests it on DLT

Chip & Connectivity



•••• AUTHENTICITY
•••• OWNERSHIP
•••• PROVENANCE

② ADDRESSABILITY

Public key makes any physical object addressable

Public Key & Ledger

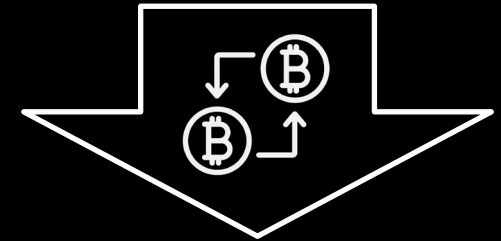


•••• COMMUNICATION
•••• INTEGRITY
•••• DATA

③ TRANSACTIONS

Wallet functionality allows execution of transactions for M2M

Conditions & Execution



•••• TRANSACTION
•••• MARKET PLACE
•••• BIZ MODELS





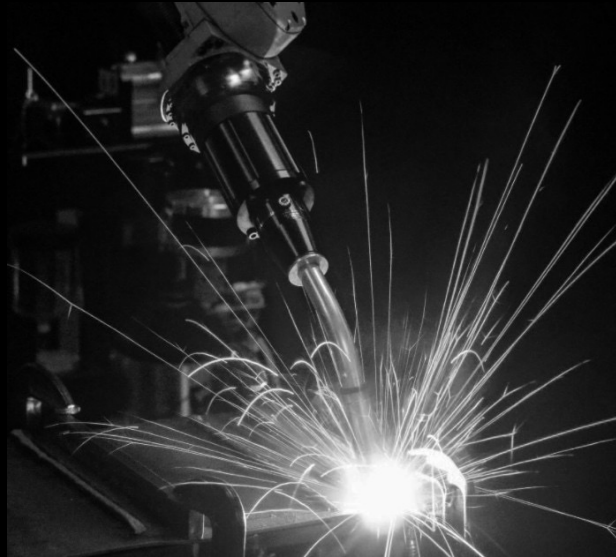
A DIGITAL, IDENTITY-CENTRIC APPROACH

① OBJECT ID



AUTHENTICITY
OWNERSHIP
LOYALTY SCHEMES

② MACHINE ID



PROVENANCE
TRUSTED SOURCE
M2M MARKETPLACE

③ VEHICLE ID



ACCESS
TRANSACTIONS
NEW BIZ MODELS





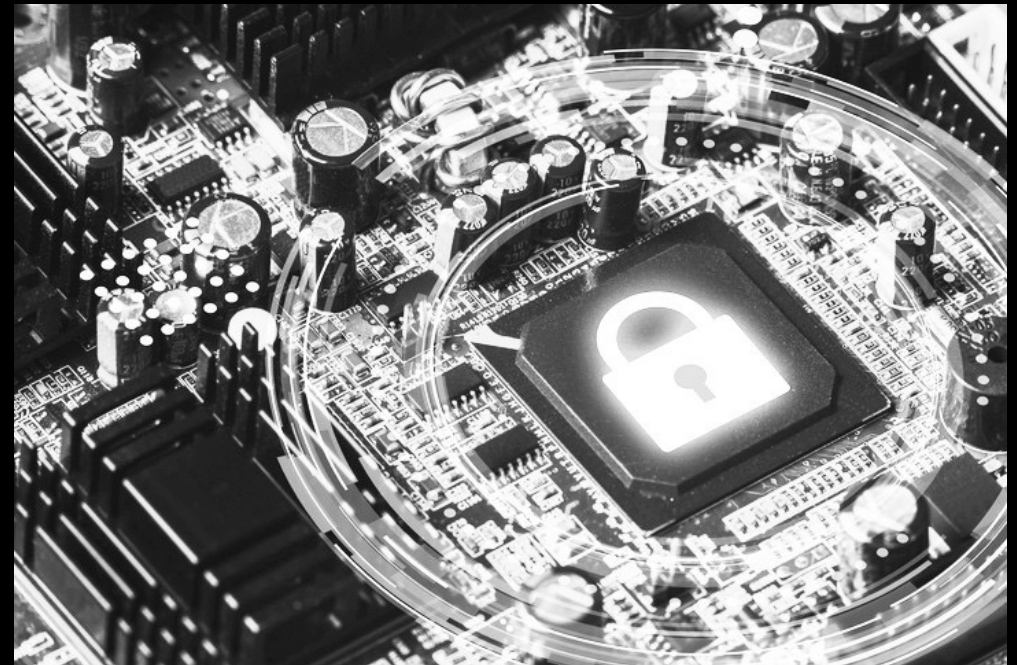
ESTABLISHING TRUSTED DATA SOURCES

NORMAL DATA AGGREGATION



FROM ANY DATA SOURCE & SENSOR
FROM ANY DATA REPOSITORY
AGGREGATED IN DLT SYSTEMS

TRUSTED DATA AGGREGATION



DEVICES WITH EMBEDDED CRYPTO CHIPS
TRUSTED DATA DELIVERY
NOTARY-PROOF DATA RECORDS



PROCESS TRANSFER ACROSS INDUSTRIES

THE APPROACH ADOPTED BY RIDDLE&CODE ALLOWS TO TRANSFER REGULATORY-COMPLIANT PROCESSES AND TECHNICAL MODULES PROVEN AND CERTIFIED IN THE FINANCE INDUSTRY TO OTHER SECTORS.

SOME EXAMPLES INCLUDE:

- Hardware-based Machine Identity
- Based on highly Secure Key Management
- Audit Trail covering each TX & Notary Services, e.g. for Supply Chains
- Car / Machine Wallet Capabilities (HW + SW Combination)
- Device (Network) Integrity Checks
- Flexible Sensor and Radio Connectivity
- DLT as Interoperability Layer
- Limiting Access to entitled Personnel



tomfuerstner
@tomfuerstner

It's done!

This is not a hardware wallet.

It is a cyber-physical object to orchestrate cyber-physical systems.

It gives identity to physical objects by enhancing them with application logic.

It connects objects to each other and to the cloud. Autonomous objects.



8:53 PM · Nov 16, 2020 · Twitter Web App

Riddle & Code®

SHOW

WHAT WE DO
TODAY

##

##

ENERGY SOLUTIONS

CONNECTING PHYSICAL ASSETS TO BLOCKCHAINS:

DEVICE REGISTRY & DATA NOTARY SERVICES

TOKENIZATION OF PHYSICAL ASSETS AND ENERGY PRODUCED.

RESULTS: SECURE E2E DATA AND VALUE TRANSFER.

THIS MEANS: ENABLING FINANCIAL SYSTEMS FOR THE PHYSICAL INTERNET OF VALUE.



WIEN ENERGIE

TOKENIZING THE ENERGY INDUSTRY

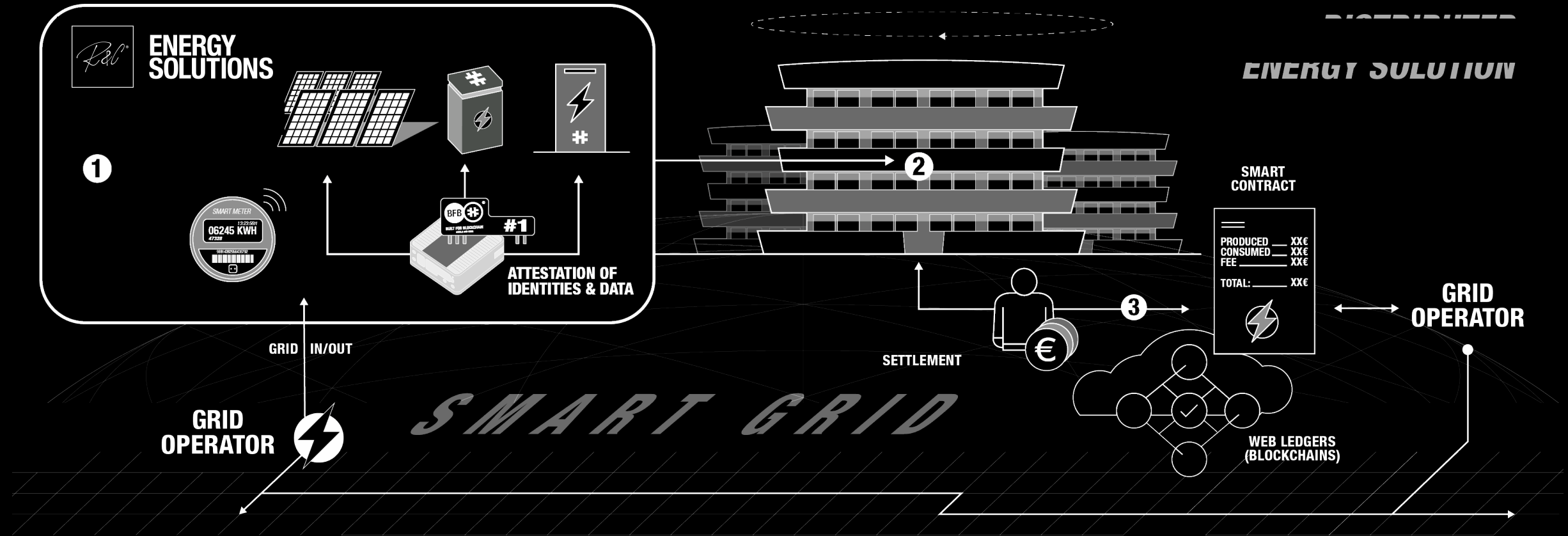
1. Create a trusted ecosystem of data sources by introducing tamper-proof machine ID solutions
2. Add highly secure hardware wallet capabilities to enable M2M transactions & financial energy markets
3. Audit-proof records of data or value transfers to ensure regulatory compatibility
4. Using tokenization to incentivize desired behaviour or finance assets differently
5. Connect the energy sector with other industries and use cases, e.g. around EV charging





**ENERGY
SOLUTIONS**

PROJECT OVERVIEW



**CONNECT OUR TRUSTED
GATEWAYS TO SOLAR
ENERGY SYSTEMS**

**INSTALL GATWAYS
WITHIN RESIDENTIAL
LOCATIONS**

**ENABLE SETTLEMENTS BETWEEN
ENERGY PROSUMERS ON DLT
NETWORKS**

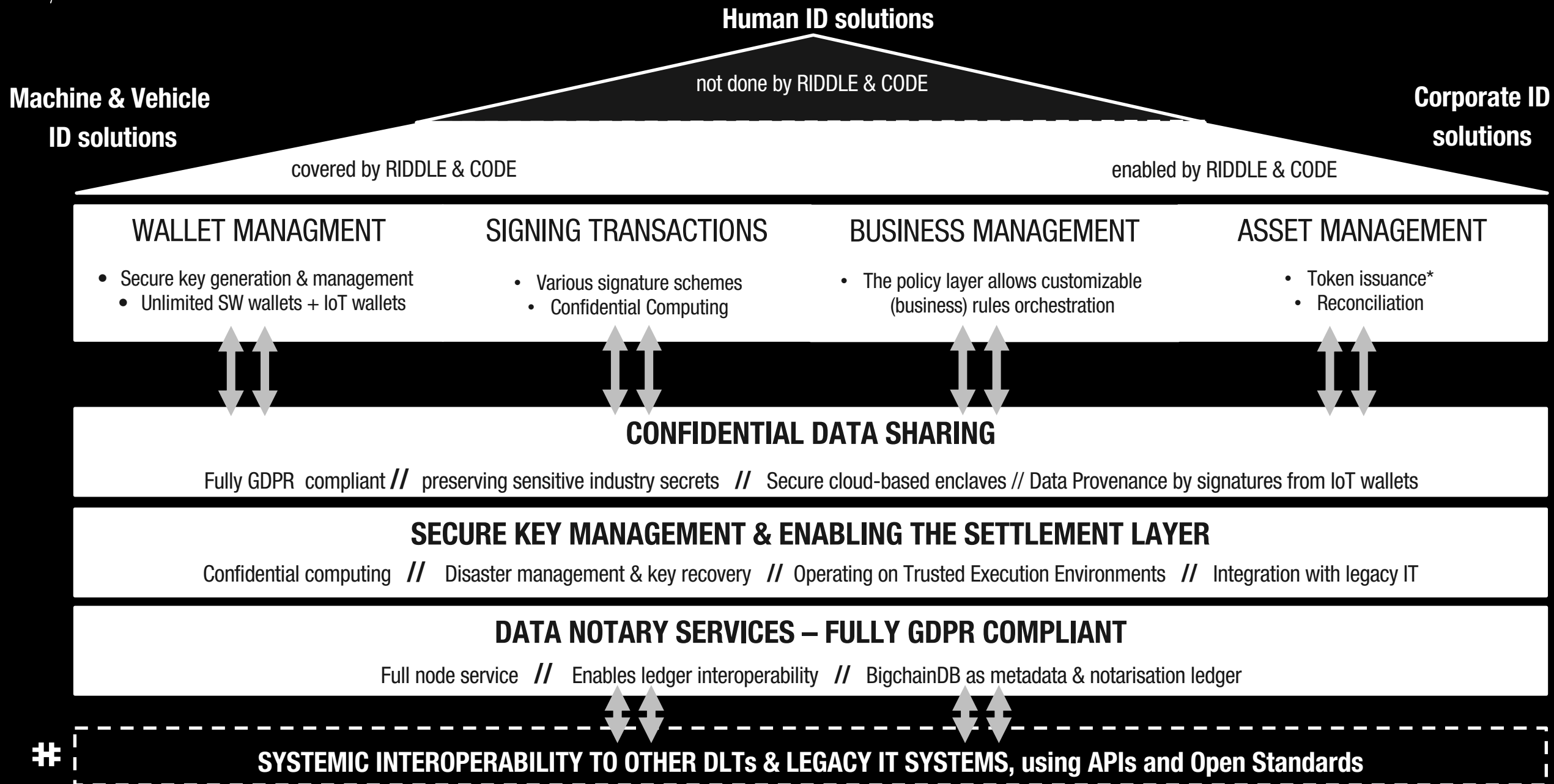


MYPOWER PROJECT VIDEO





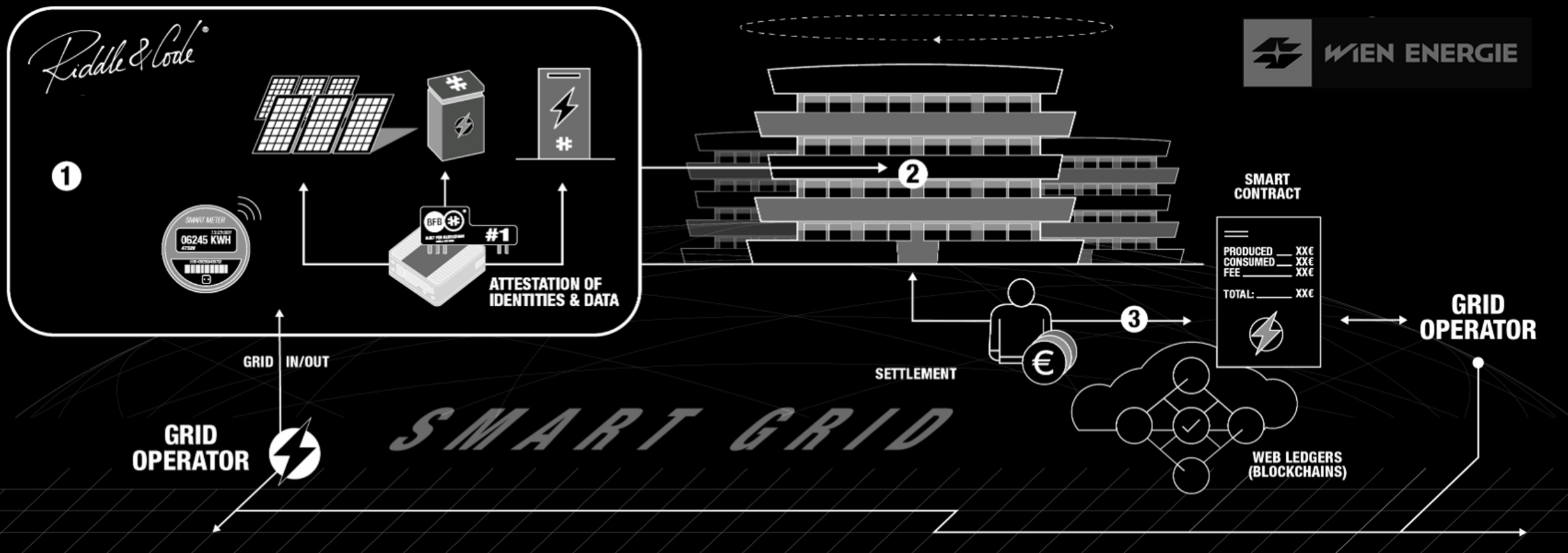
THE STACK'S FEATURE OVERVIEW





**MOBILITY
SOLUTIONS**

DISTRIBUTED ENERGY SOLUTION



**CONNECT TRUSTED
ENERGY EXTENSION
TO SOLAR SYSTEMS**

**INSTALL EXTENSIONS
WITHIN RESIDENTIAL
LOCATIONS**

**ENABLE SETTLEMENTS
BETWEEN ENERGY
PROSUMERS ON THE
LEDGER**





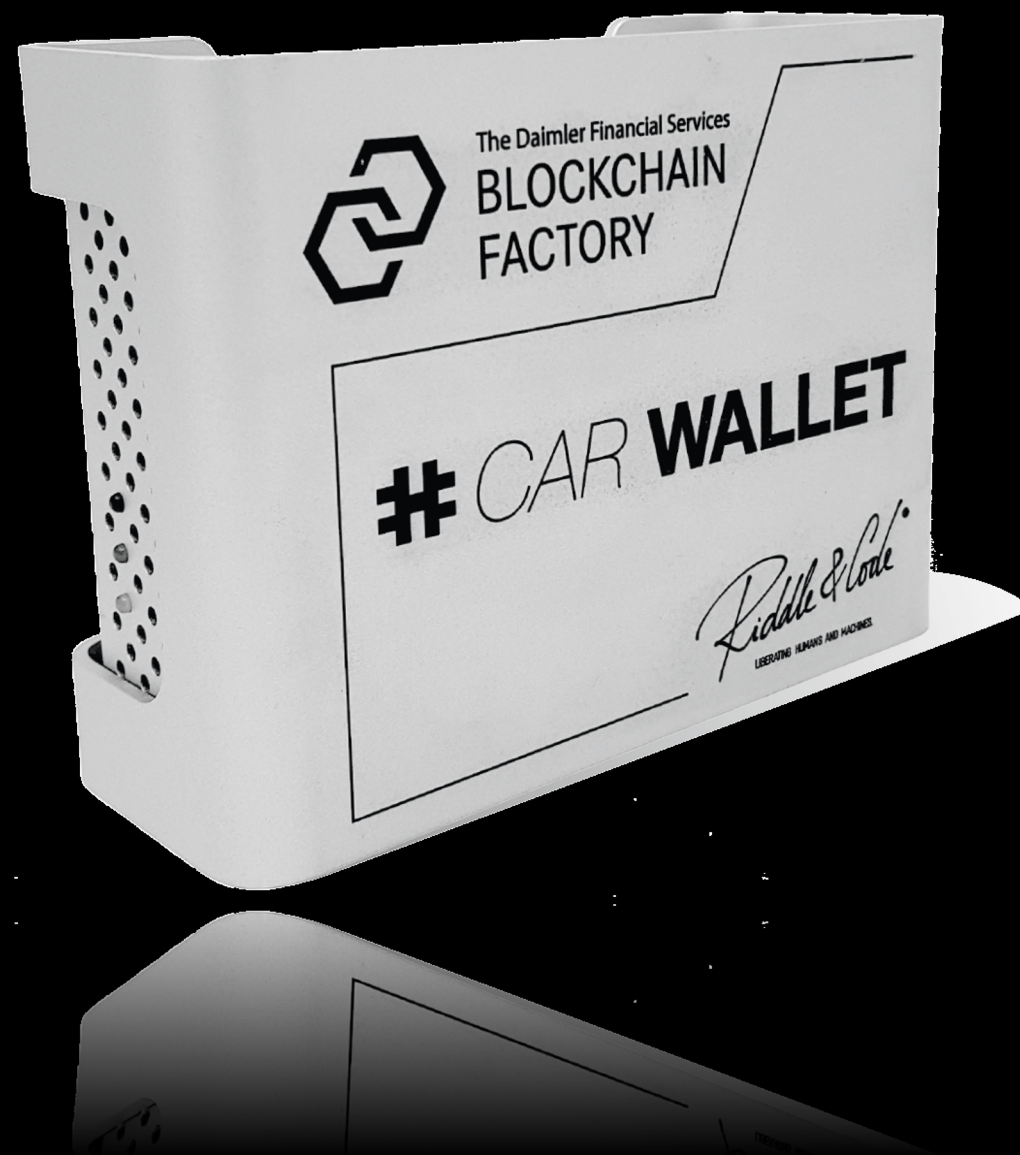
**MOBILITY
SOLUTIONS**

CAR WALLET SOLUTION

In 2019, RIDDLE&CODE partnered with Daimler Mobility and the Mobility Blockchain Platform consortium to develop a car wallet built around a secure crypto chip.

Once connected, the wallet gives a tamper-proof identity to vehicles, performs value transactions and settlements and transforms vehicles into self-sovereign business entities and trusted data platforms.

Then we decided to take it to the next level...





**MOBILITY
SOLUTIONS**

MOBILITY IS ABOUT DATA

Cars have become mobile hubs of data, generating and processing unforeseeable amounts of information.

Consumers are demanding new experiences through new services and business models, requesting customised mobility options.

In this evolving ecosystem, participants in the mobility network have to become highly data-driven and software-centric.



THE NEW IS UNAVOIDABLE.



BUILT FOR BLOCKCHAIN

