

# Track 3 Data Provider: SIEMENS







#### Solution Mockup - Click on the image to play the video



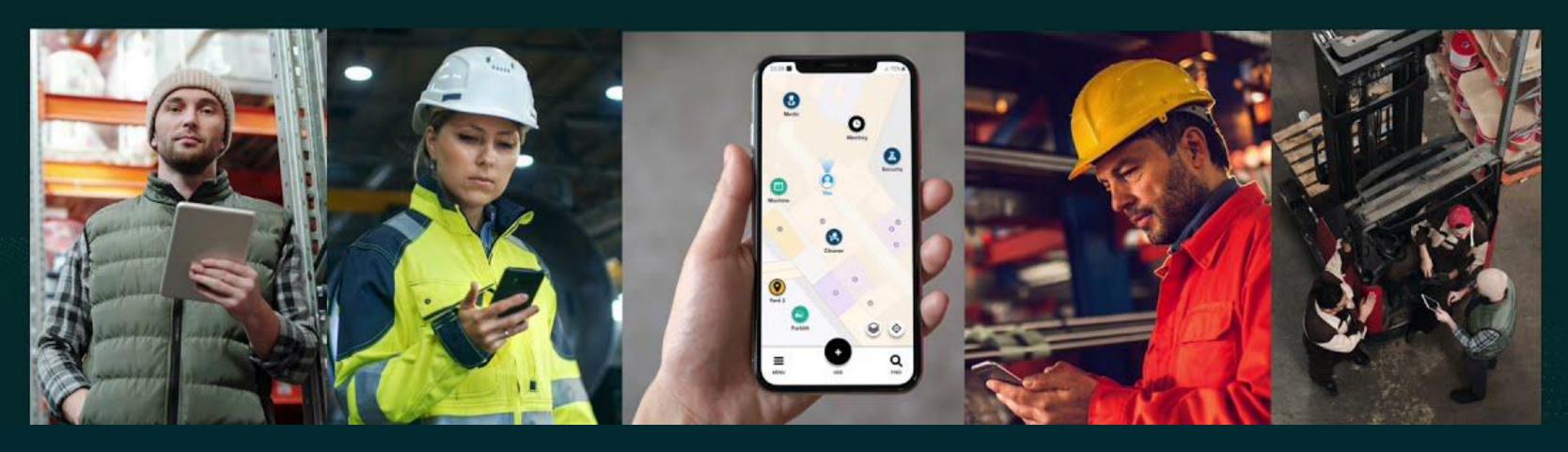
Direct data and therefore information access will change how frontline workers do their job for the better.

Let's make it a reality today!



#### SIEMENS

Ingenuity for life



PFORMATION GmbH 2021 - all rights re



#### Bridging 2 data silos

SIEMENS
Ingenuity for life



The workplace silo

Trackers

Sensors

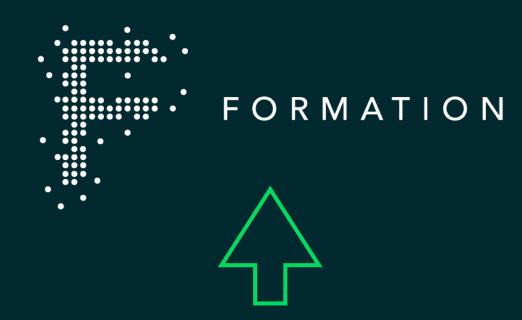
Analytics

Geofences

**Events** 

Enriched data





The workforce silo

Knowledge per shift Knowledge per team Human experience Human perception





#### Bridging 2 data silos

**Nomlox** 



BOSCH

SIEMENS

Ingenuity for life

Trackers

The workplace silo

Sensors

Analytics

Geofences

Events

Enriched data





The workforce silo

Knowledge per shift
Knowledge per team
Human experience
Human perception





#### Data Value Chain

## Creating better situational awareness for workers today and enabling further (future) use cases:

- Identify areas of interest through clustering
- Provide auditing information
- Anomaly detection
- Predictive maintenance & scheduling
- Event sourcing & real time KPIs





#### Data generation



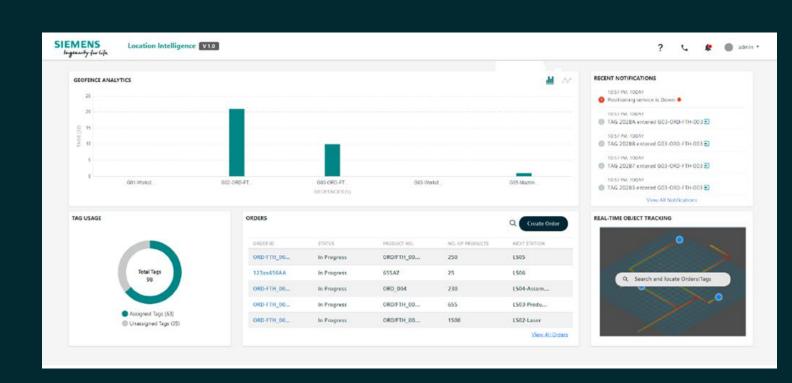


3<sup>rd</sup> party tracker, lloT, MES etc.

#### Location Intelligence

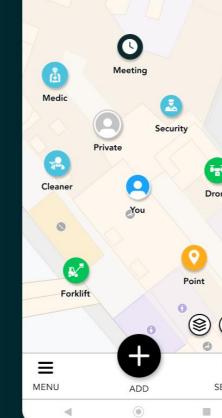
#### SIEMENS

Ingenuity for life



#### Worker access

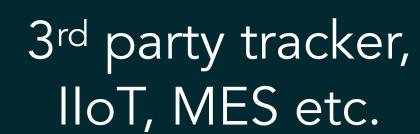






#### Data generation







3<sup>rd</sup> party developers



#### **Customer Data**







#### Worker access

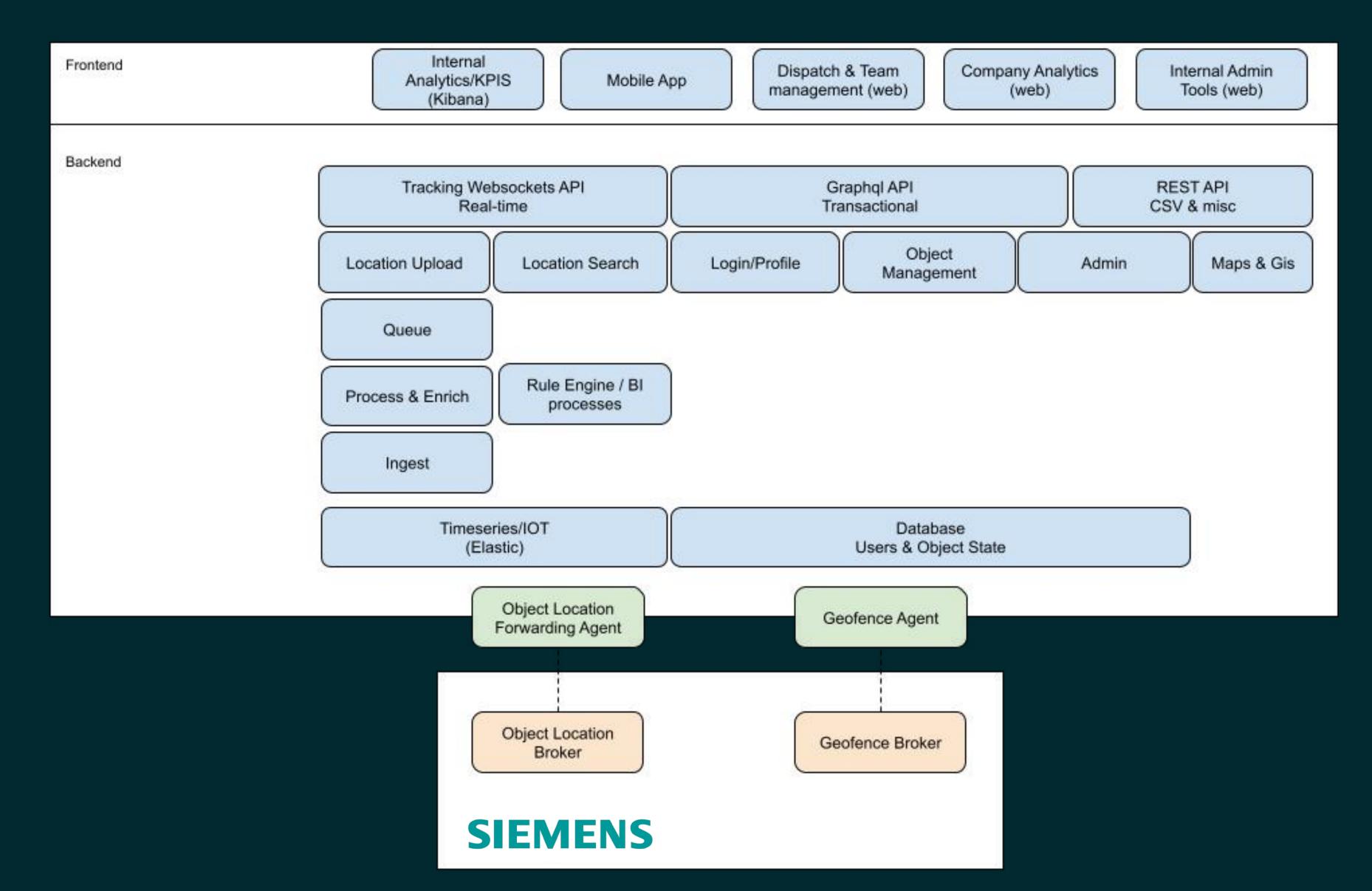






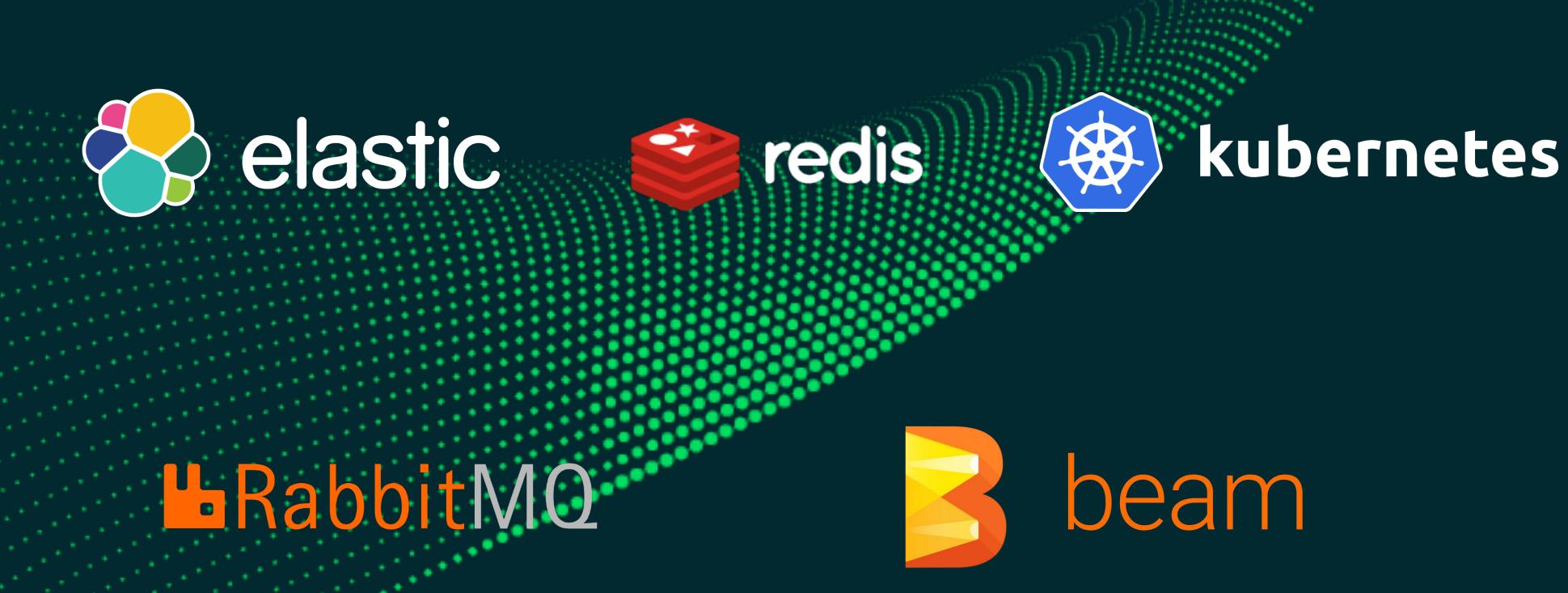


#### Infrastructure overview





#### Tools to ensure scalability











#### Secure and scalable cloud solution



Deutsche Telekom is a founding member of Gaia-X

ACCOUNTY OF THE PARTY OF THE PA



#### Data governance and compliance

#### We assure our users' data is safe & GDPR compliant:

- Client data isolation
- Role based security to protect company and group data
- Opt-in & time limitation for location sharing
- SSL encryption for all services
- Bcrypt is used to securely store user credentials
- JWT tokens for API authentications

#### We go beyond legal compliance:

Active discussions with German workers unions





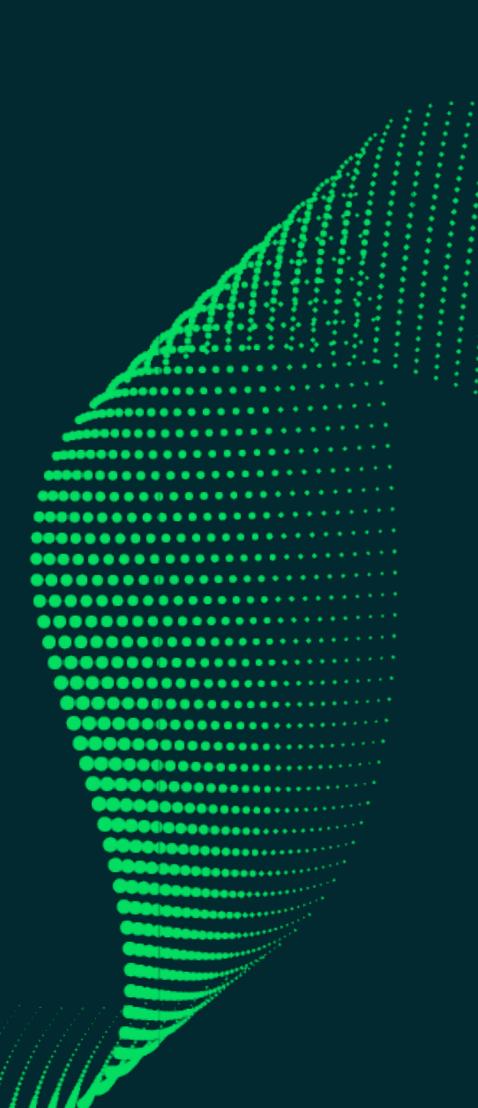
#### QA & risk management

#### Project risks:

- Operational issues (e.g. access to physical test environment)
- Access to SIEMENS data
- Data quality & suitability

#### Risk mitigation:

- Continuous contact and exchange with SIEMENS
- Local software installation for early testing and assumption validation
- Initial release at SIEMENS demo environment for live testing
- SIEMENS is installing a public WIFI for the demo location





## Direct data and information access will change how frontline workers do their job for the better.

Let's make it a reality today!



### SIEMENS

Ingenuity for life

