WHO I AM

- Professor of *Industrial plants design* and *Advanced planning* @Politecnico di Milano
- Senior director at Osservatori.net, 100-people research group on Digital Innovation:
  - Internet of Things
  - Industry 4.0
  - Artificial Intelligence
- Co-founder of IqConsulting, academic spin-off, now part of Digital360 (listed)

“

“An information system is the Information and Communication Technology (ICT) that an organization uses, and also the way in which people interact with this technology in support of business processes.”

Wikipedia,
As of Sept 2021

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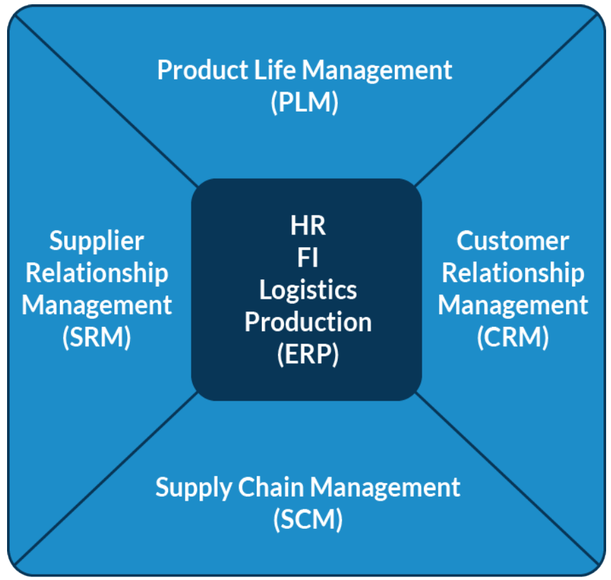
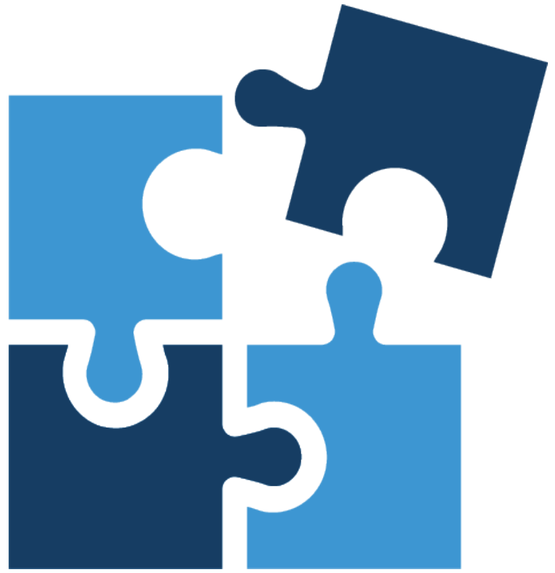
The Usual Suspects

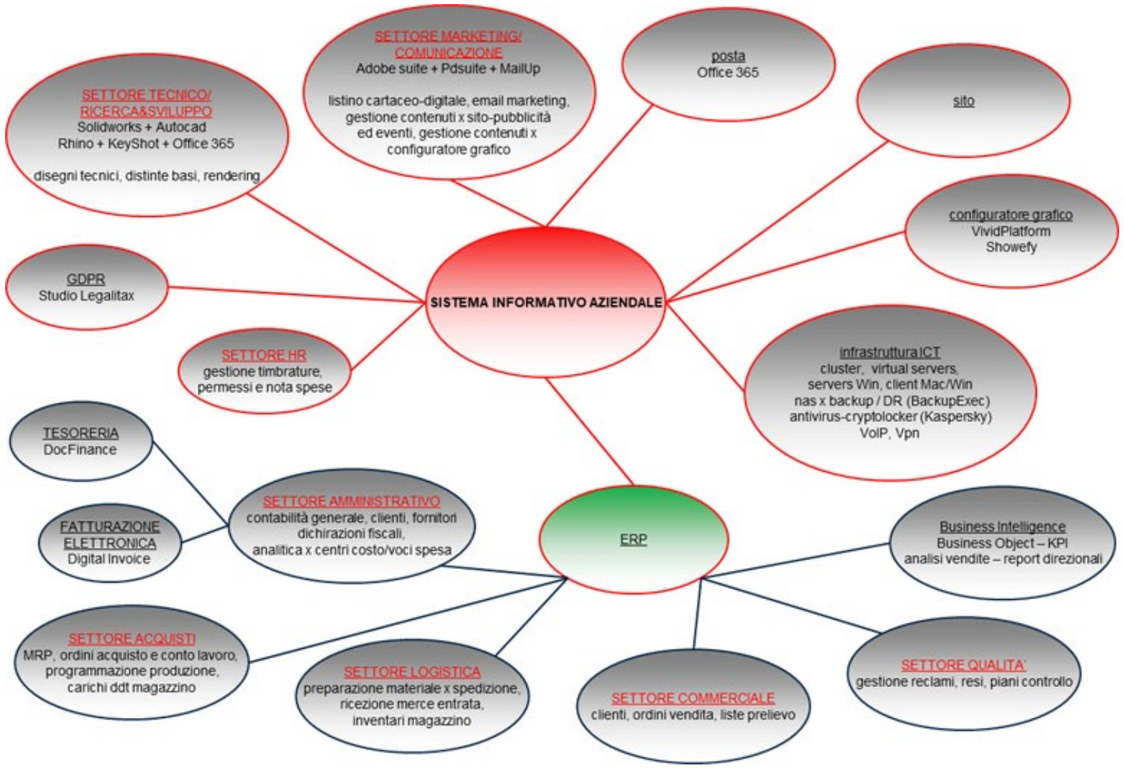


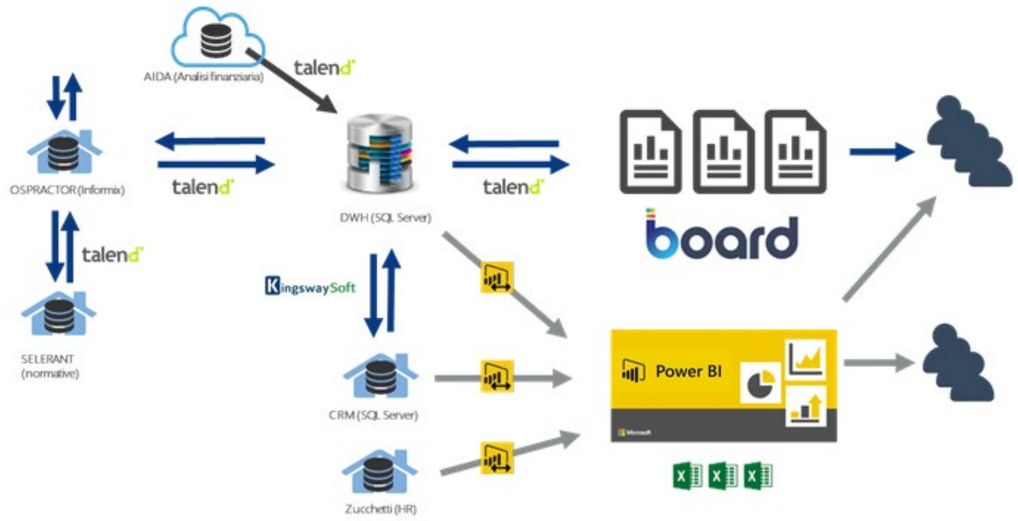
Source: SAP Business Suite, year ≈2000s



Best of breed

Outcomes





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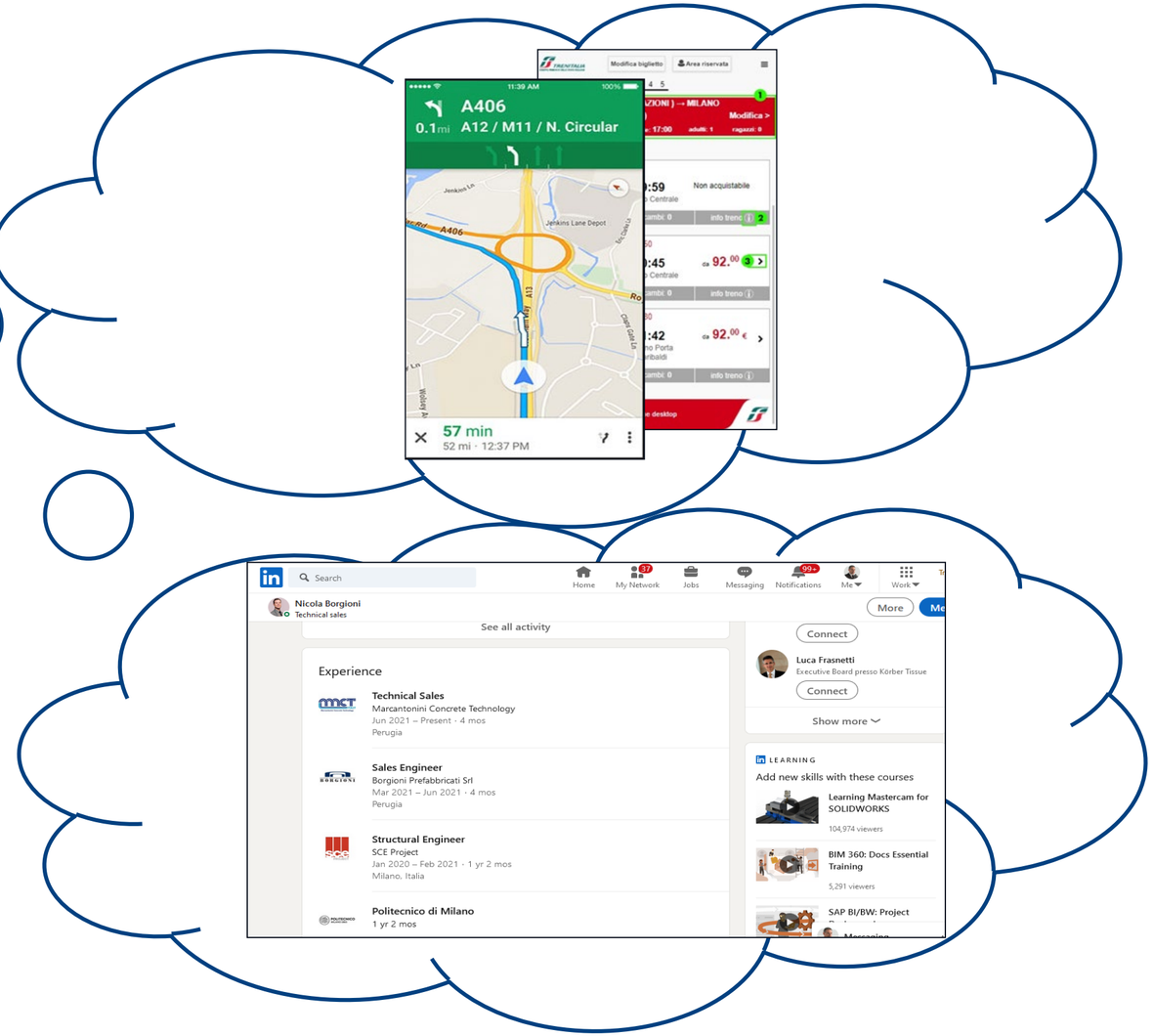
Business Challenges

Technology Challenges

Organizational Challenges



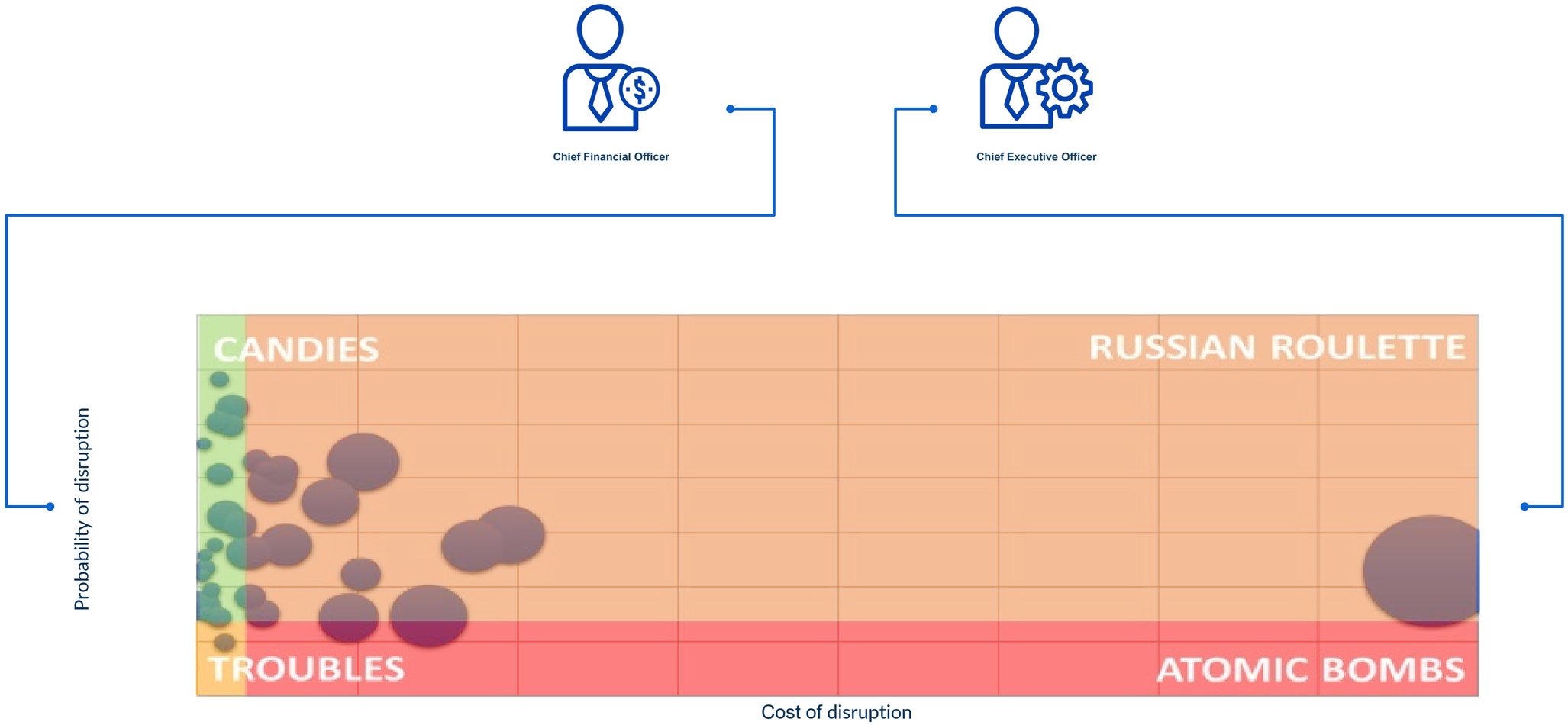
Inspiration

Contacts, SMS, File System

10+ Sensor

Google Voice, Dropbox..

Suppliers Risk Management



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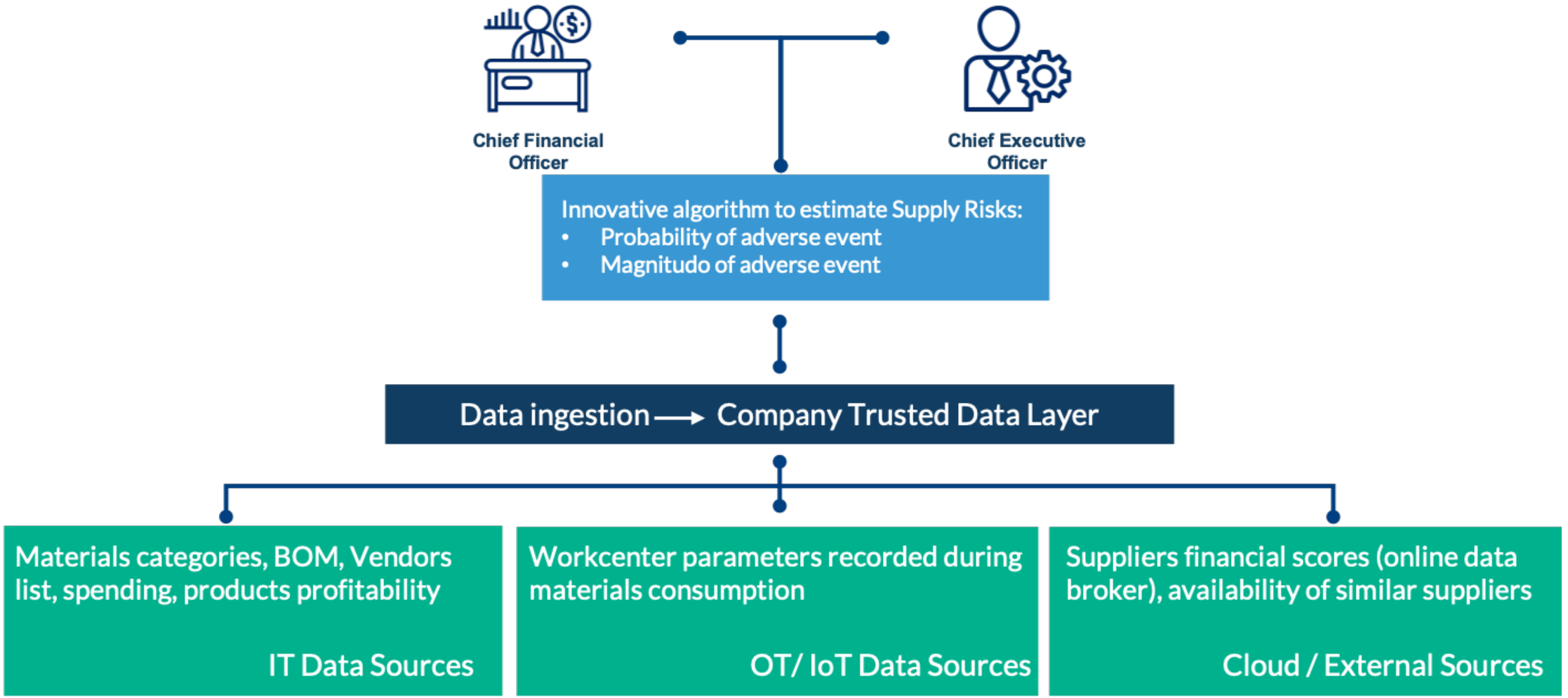
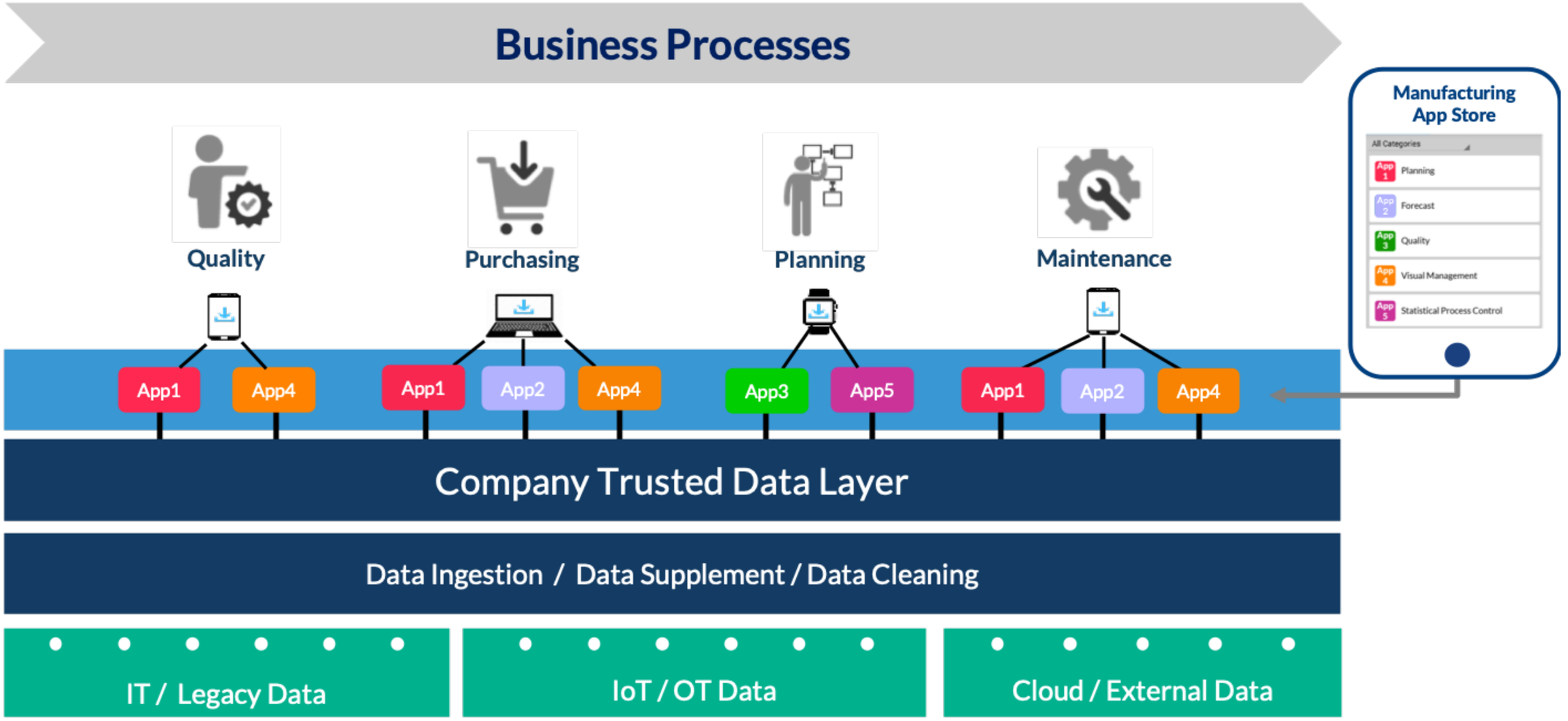
Inspiration



Vision of the Future



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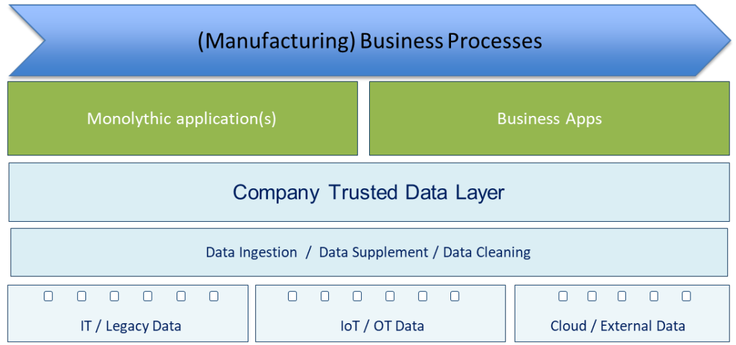
Vision of the Future

Trusted Data Layer: which challenges in SMEs?

- Implementation approach
- Ownership costs

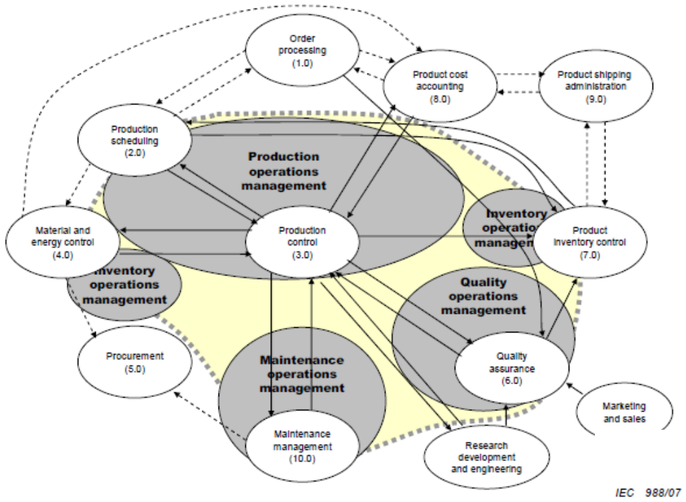
Trusted Data Layer: Implementation Approach



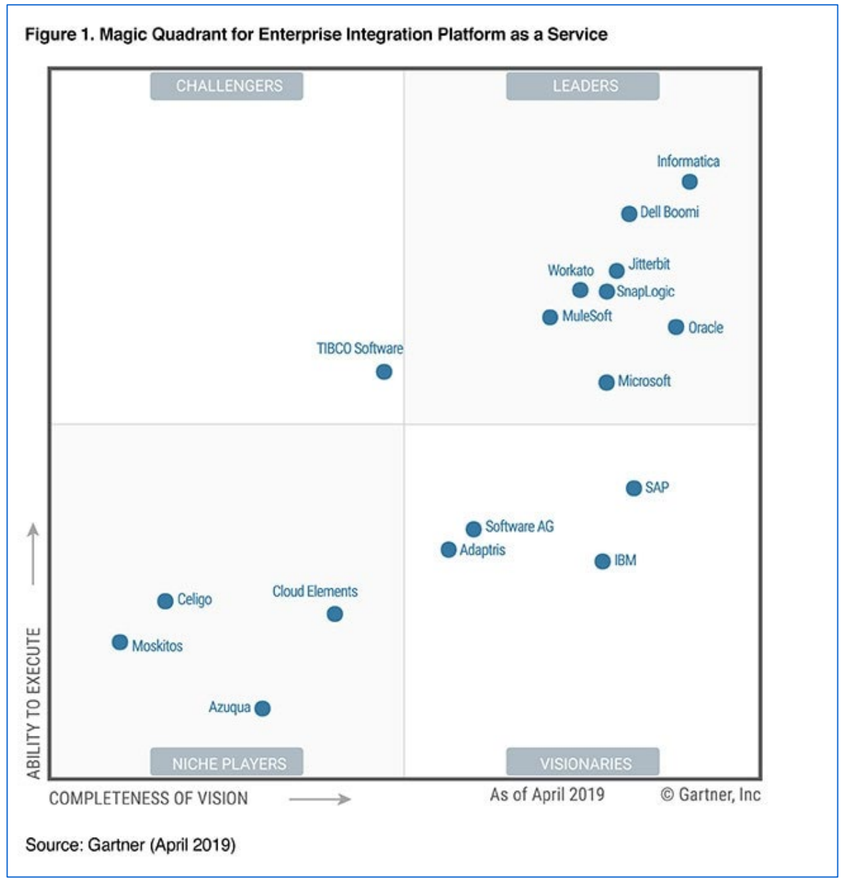
Problem Driven

Common Data Model

"Focus on decisions, engineer the data"

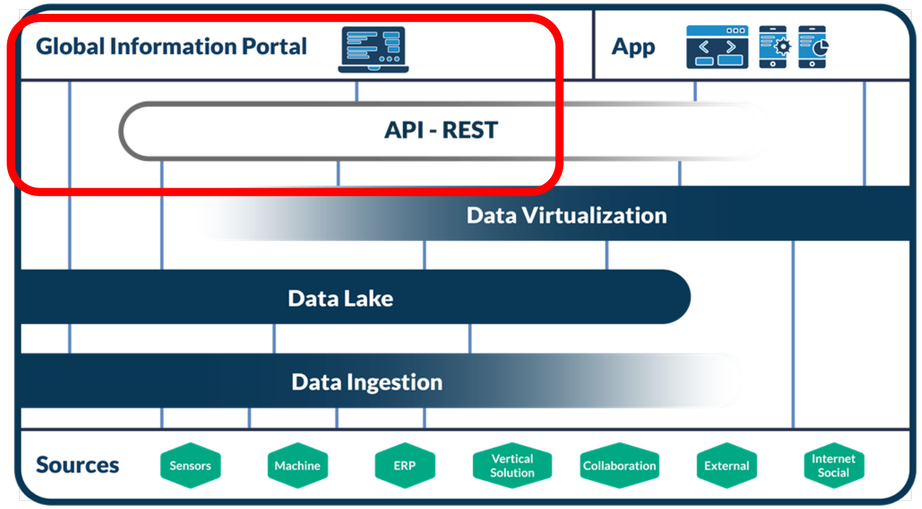


Ownership Costs: the options



VS

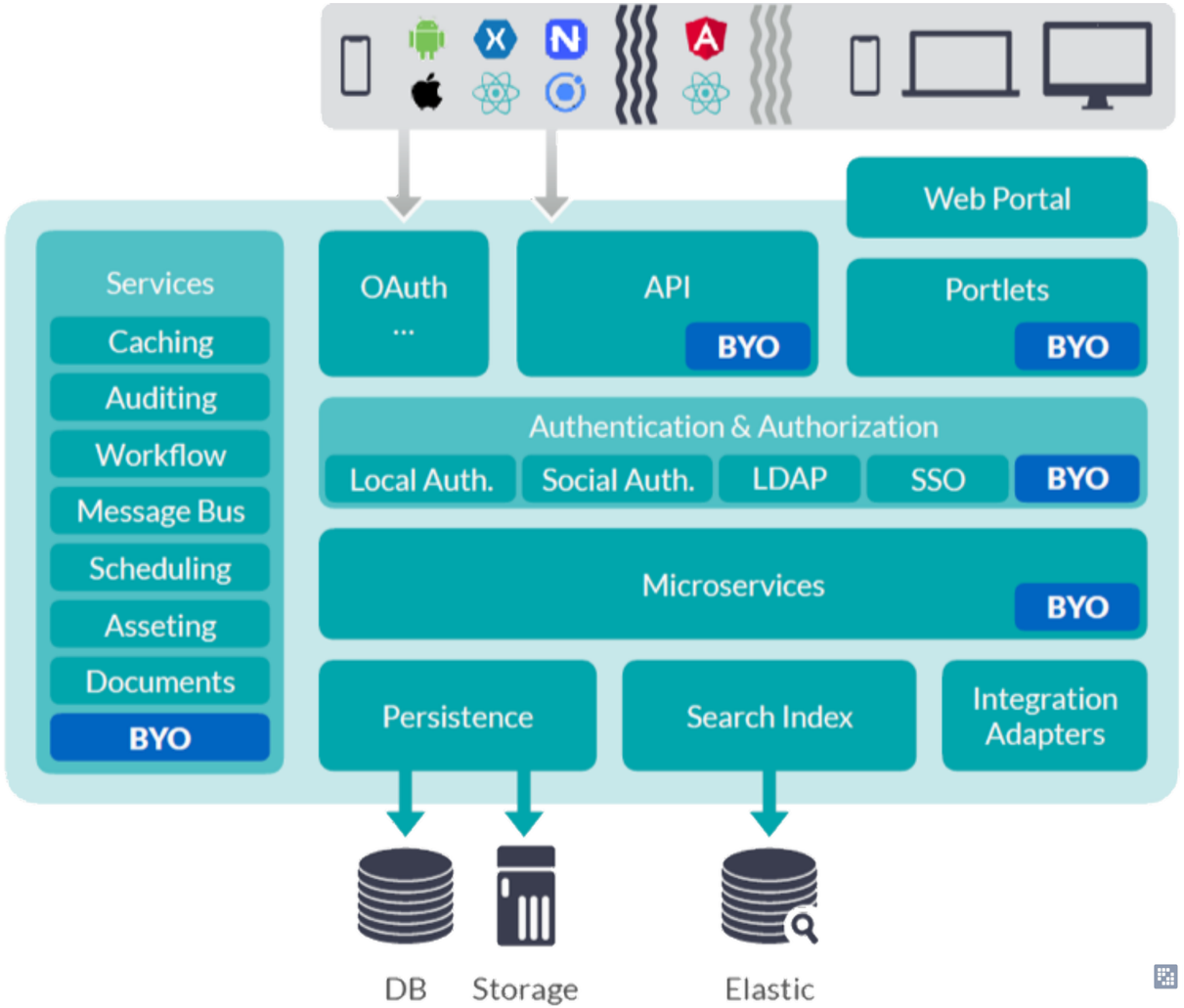
Open Source Platform



Enabling Technologies: Liferay

Liferay

- **Digital Experience Platform**



Change the Way People Work

Information System front-end result

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Tapi

Target

Prospect Relationship Management

Workflow and Quality Standardization

Optimization of Task Taking Charge

The Solution

Trusted Data Layer Creation

Different Subsystem Integration (NAV, CRM, etc.)

Creation of Process Workflows and collaboration rooms

KPI Dashboard

Benefit

Time2market reduction

Standardization of Collaboration Processes

Increased Company Know-how

Remote plants management (Mexico)

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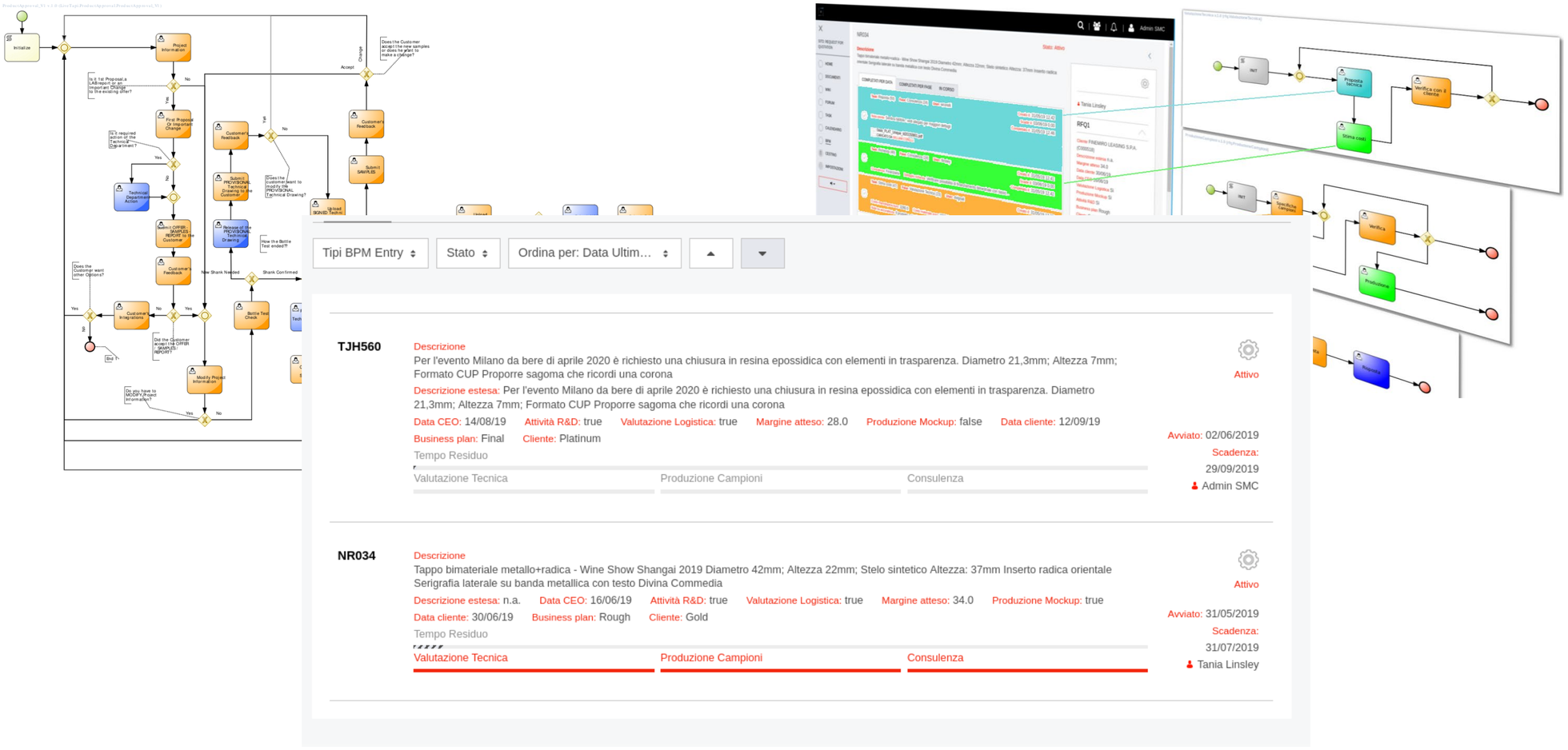
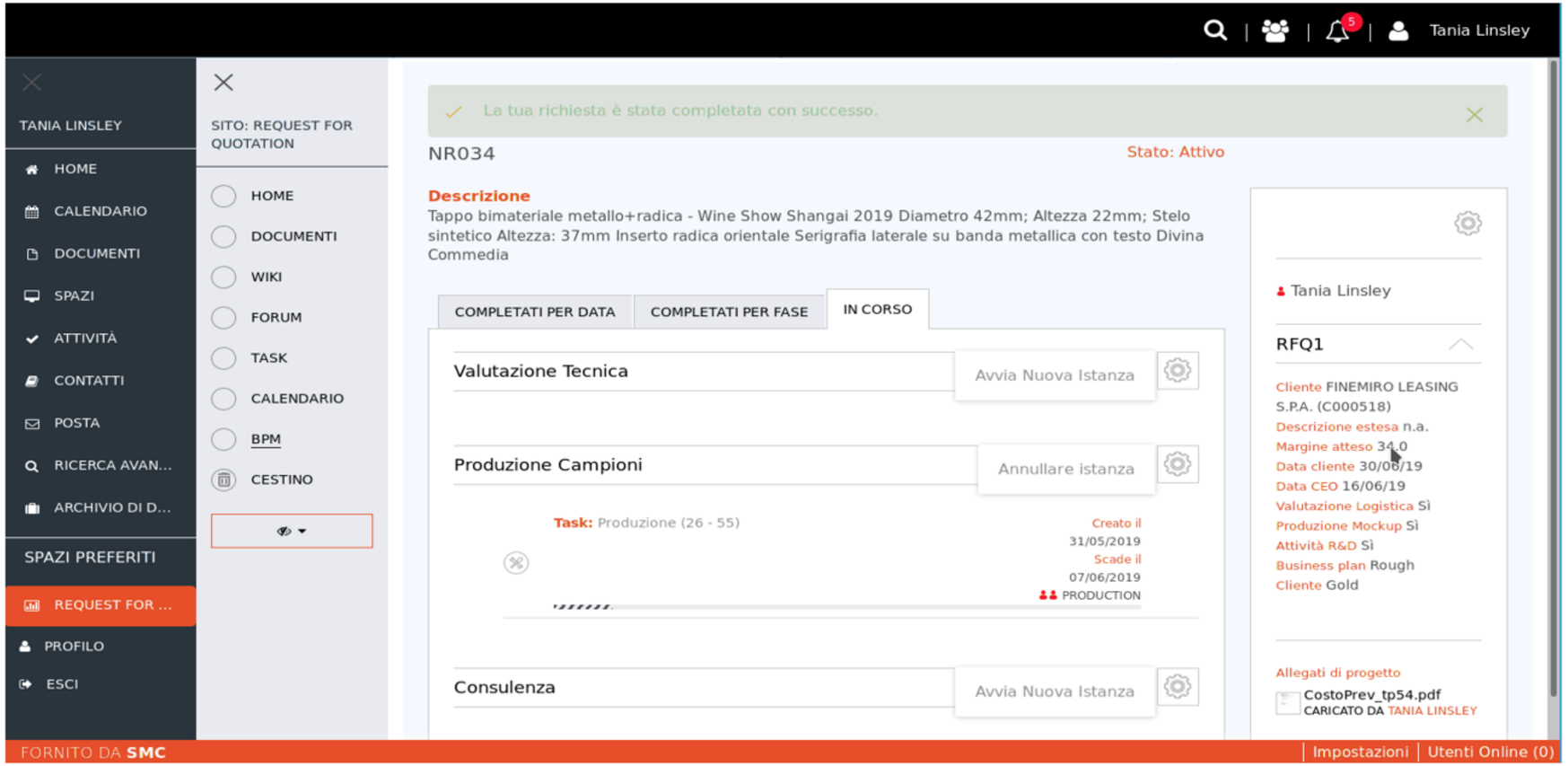
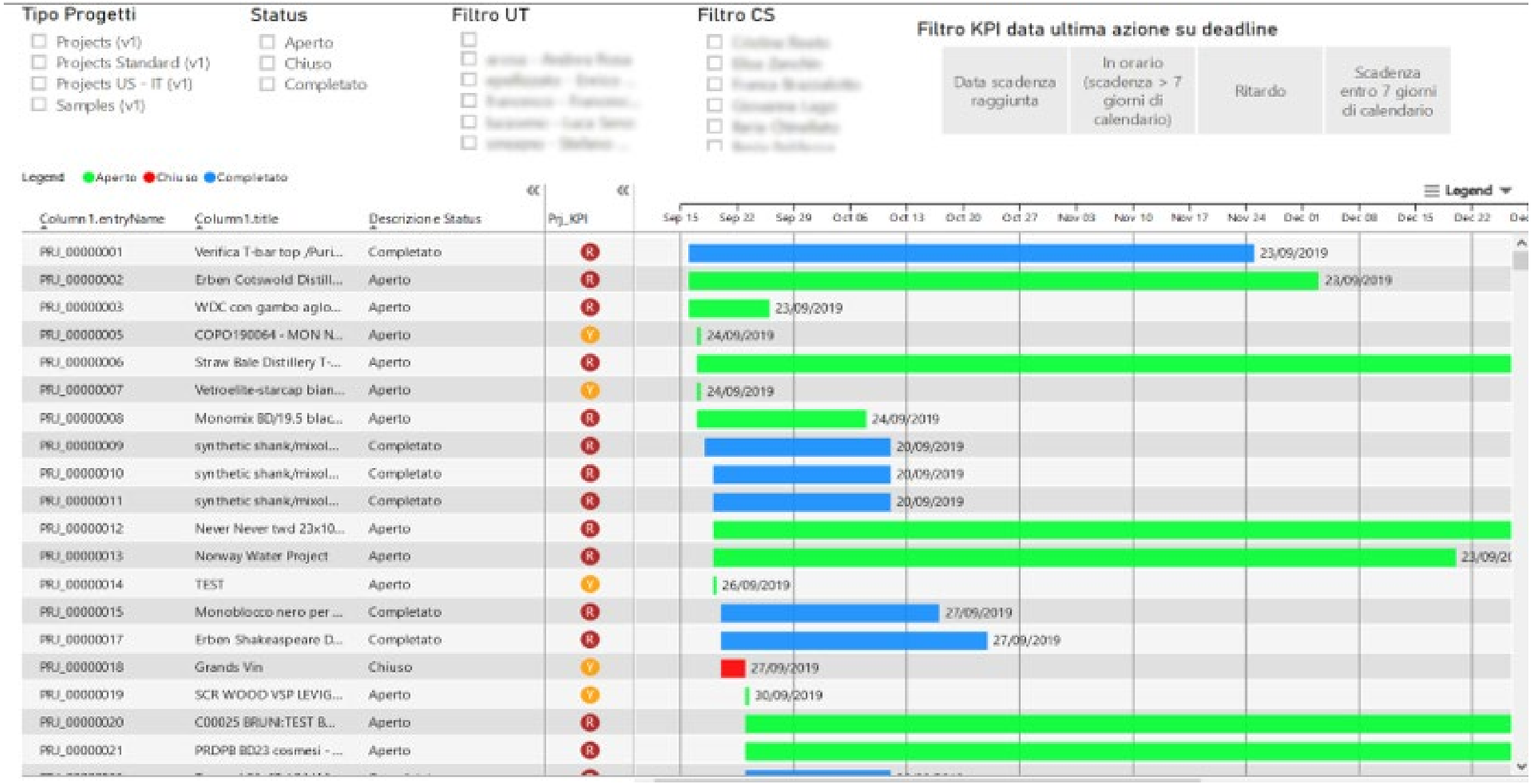
Process Definition



Task Progress



Monitoring



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Digital Lake (www.digitallake.it)

- 100% Open Source
  - Pricing
  - No vendor lock-in
  - Best technologies available, as soon as they are available

- Own your data:
  - Common data model, standard de iure / de facto
  - Full documentation, full API access
  - No filters nor friction in sharing data with other Systems / Applications
  - Put the Information Assets back in the Company’s hands

Liferay® VISION

Thank you

www.digitallake.it

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