



***Engineering consulting
and R&I services***

Stefano Carosio

November 2020

Stam at a glance

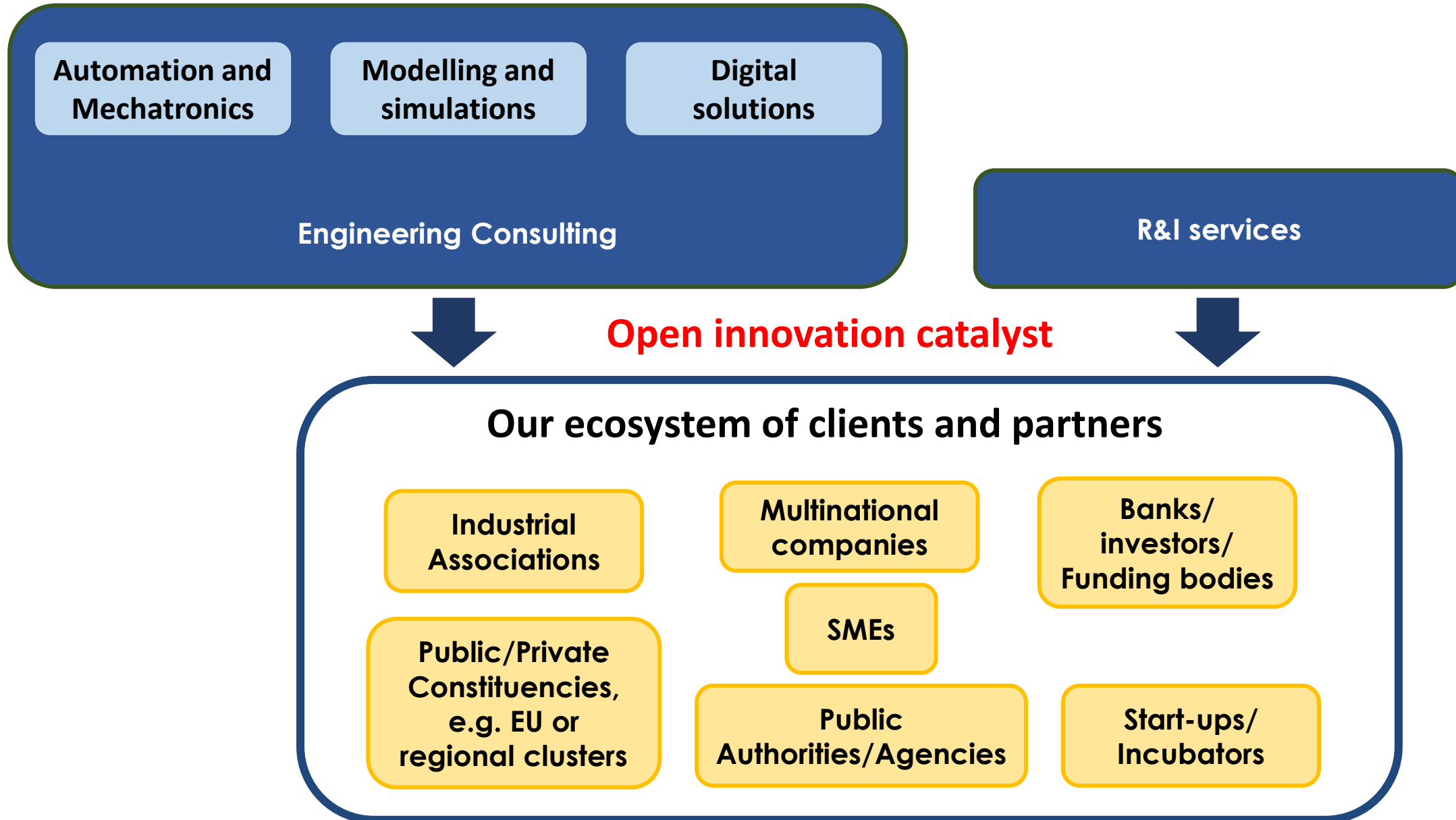
STAM is a fast-growing **engineering company** that support its clients in addressing new businesses and technology challenges leveraging on a **multidisciplinary expertise** and hands-on experience across four main industrial domains.



Factsheet

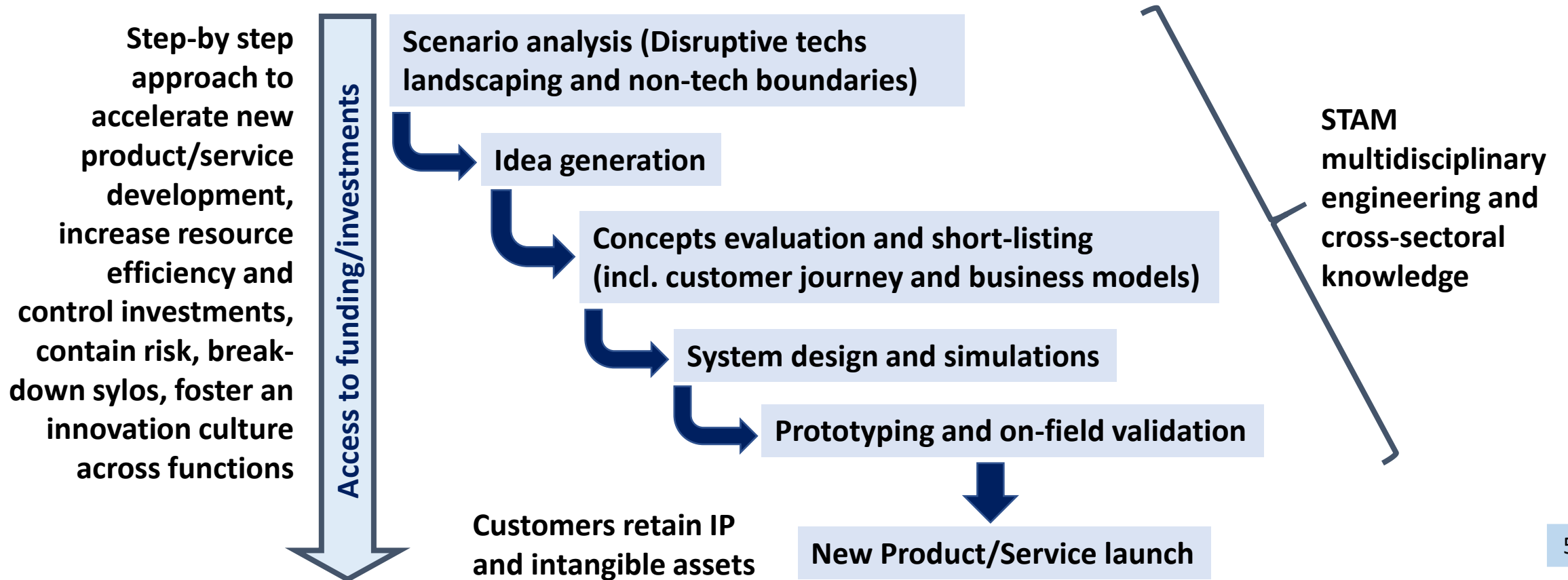
22	Years in business	Stam was established in Genoa in 1997
500	Projects Delivered	Stam successfully delivered over 500 projects for business and public bodies
40	Engineers and Techicians	Main fields of specialization: mechanical, civil, robotics, energy, chemical engineering, ICT
35	Average employees' age	Young, ambitious and motivated team
4	M€ Turnover	Steady growth since foundation
4	Patents families	Stam's ability to innovate is reflected by the value generated through the company's IP
4	Operating Offices	The company has headquarters in Genoa and offices in Cagliari, Rome and Bari (Italy)

Boosting open innovation through engineering and R&I services

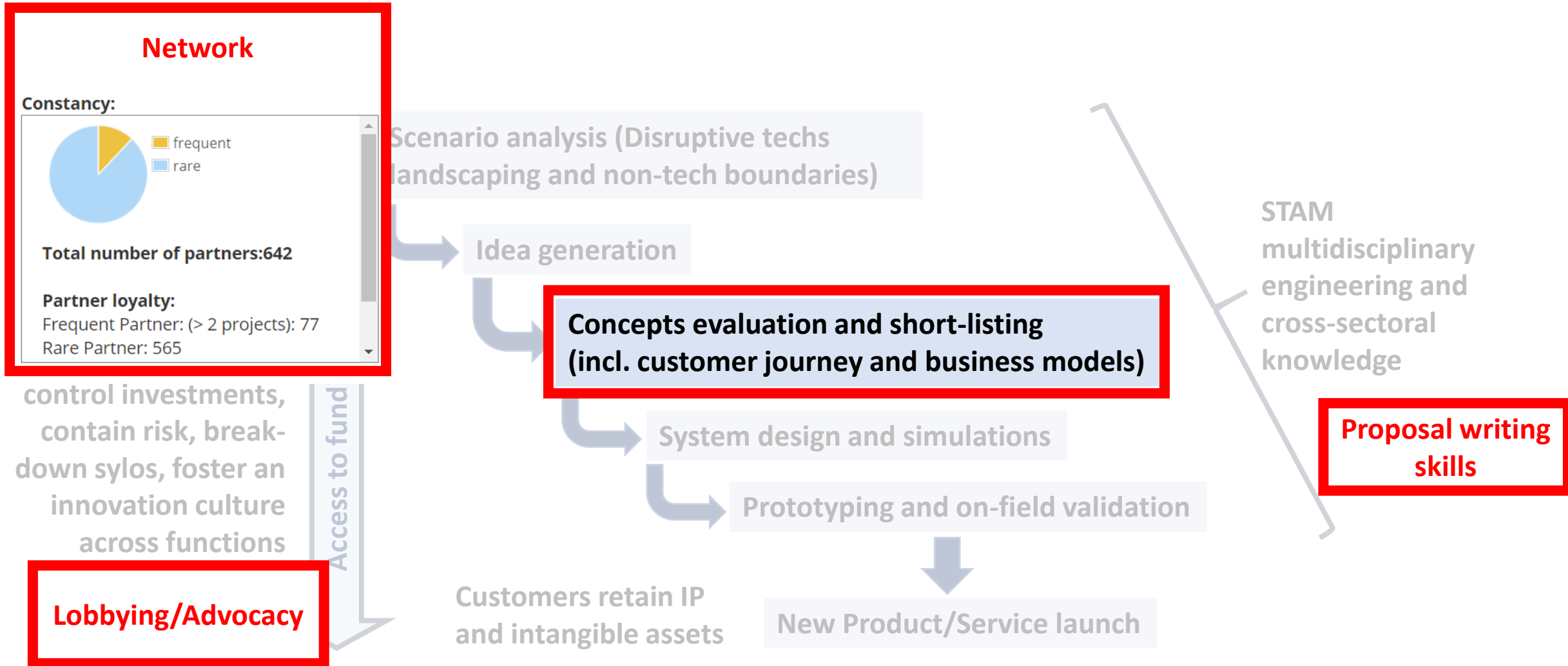


Covering the whole innovation journey

STAM supports clients during the entire **innovation journey** defining/refining innovation strategies, conceptualising new products/services, **scouting disruptive technologies**, validating solutions through virtual/physical prototypes, **accessing experts/high tech suppliers**, pilot users, stakeholders and **funding opportunities** through our international network to reduce risks and accelerate take/up.



The key success factors



Skills & Competences

- SW requirements collection and solution design
- Architecture Definition
- Full stack development
- AB testing, users training
- Platform development and integration

Reference



2015 - 2018



2018 - 2020

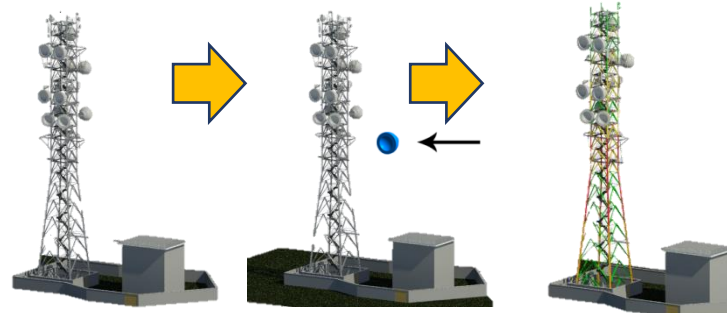
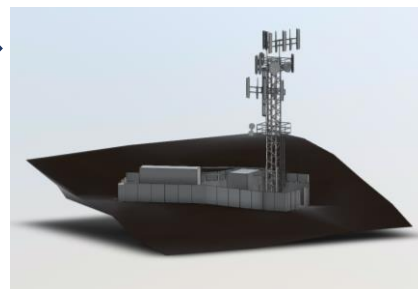
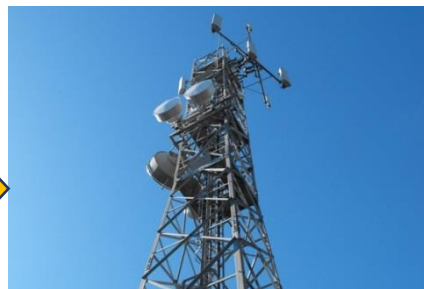
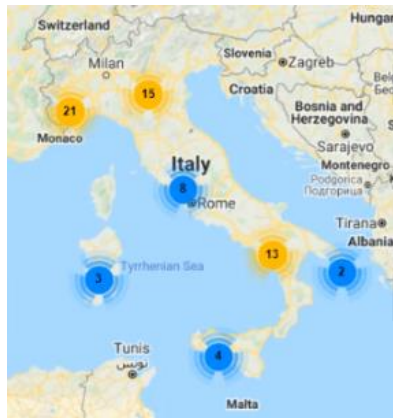


2020 - 2023



2019 - 2021

Technologies developed



Asset management software platform for distributed Assets (e.g. Cell Towers):

- Leveraging Building Information Modelling (BIM) and Geographical Information System (GIS)
- Risk Assessment
- Energy Monitoring
- Structural Integrity Assessment
- Predictive Maintenance

Some relevant expertise and references – Energy Management

Skills & Competences

- AI-Based Forecast
- Vector Coupling
- Grid Modelling
- System Modelling
- Billing and Indirect Demand Response
- IoT devices integration

Reference



2020 - 2023



2018 - 2020



2018 - 2021



2018 - 2021

Technologies developed



Energy management software platform for Smart and Micro Grid management (e.g. Energy Islands and Valleys):

- DSS tools for RES planning
- Integrating RES and storage units
- Operational Tools for smart grids
- Modular integration with IoT devices and controllers
- Predictive Maintenance
- Planning of RES and recharging stations positioning

- Member of the **European Green Hydrogen Alliance**
- Member of the **Italian Hydrogen Association H2IT**
- Active partner in 2 H2020 **Digital Innovation Hubs**
- Active partner in 4 H2020 **Open Innovation Test Beds** projects on advanced materials and sustainability
- Collaboration with 2 **Competence Centres** supported the Italian Ministry of Economic Development
- Active engagement with most of the **European Technology Platforms** and Constituencies in renewable energy, process industry and advanced manufacturing multifunctional materials, circular economy



Climate change sciences

- Improved climate change projections models
- Social and economic sciences dedicated to climate change mitigation
- Sciences to improve climate change adaptation
- Natural and ecosystem restoration
- Circular economy against climate change
- Maximization of the effects of climate policies and EU funds for climate change

Tematiche Levi Cases: AIUTI DI STATO IN EU PER ENERGIA, MERCATI ENERGIA

Enablers of the climatic transition

- Sustainable technologies for the mobility sectors
- Urban climate transition
- Digital transformation
- Innovative technologies in the energy sector

Tematiche Levi Cases: BIG DATA PER ENERGIA

Rethinking and improving the energy generations, transmission and use

- Secure energy for all
- New technologies to boost traditional renewable energy sources
- Reliability of the intermittent sources
- CO₂ Sequestration, storage and reutilization
- Digitalization and robotics applied to energy efficiency
- Sustainable buildings
- Sustainable industries
- Hydrogen, biofuels, biomethane and other promising energy sources

Tematiche Levi Cases: COMUNITÀ ENERGETICHE, FOTOVOLTAICO ED IDROELETTRICO, BIOENERGIA, IDROGENO

Mobility transition

- Climate neutral mobility, aviation, shipping,
- Development of innovative electric mean of transportation
- Innovative infrastructures to enabling the transition
- Social innovation as transition enabler
- Socio-economic and environmental impacts
- Smart systems for the mobility of people and goods
- Automation of the mobility sector

Tematiche Levi Cases: TRASPORTI ED ENERGIA



***Thanks for your
attention!***



www.stamtech.com



stam@stamtech.com



[@Stam_Tech](https://twitter.com/Stam_Tech)



[www.linkedin.com/company/
stam-s-r-l-](http://www.linkedin.com/company/stam-s-r-l-)