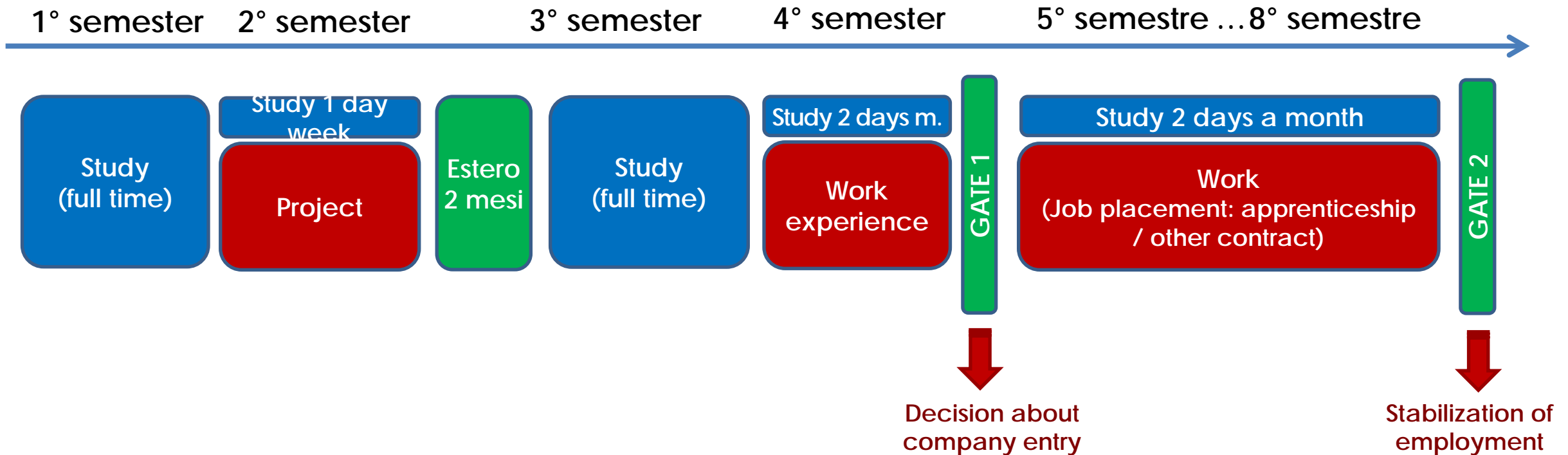


Cyber Security Competence Center ELIS-Selta

Rome, 4 July 2017

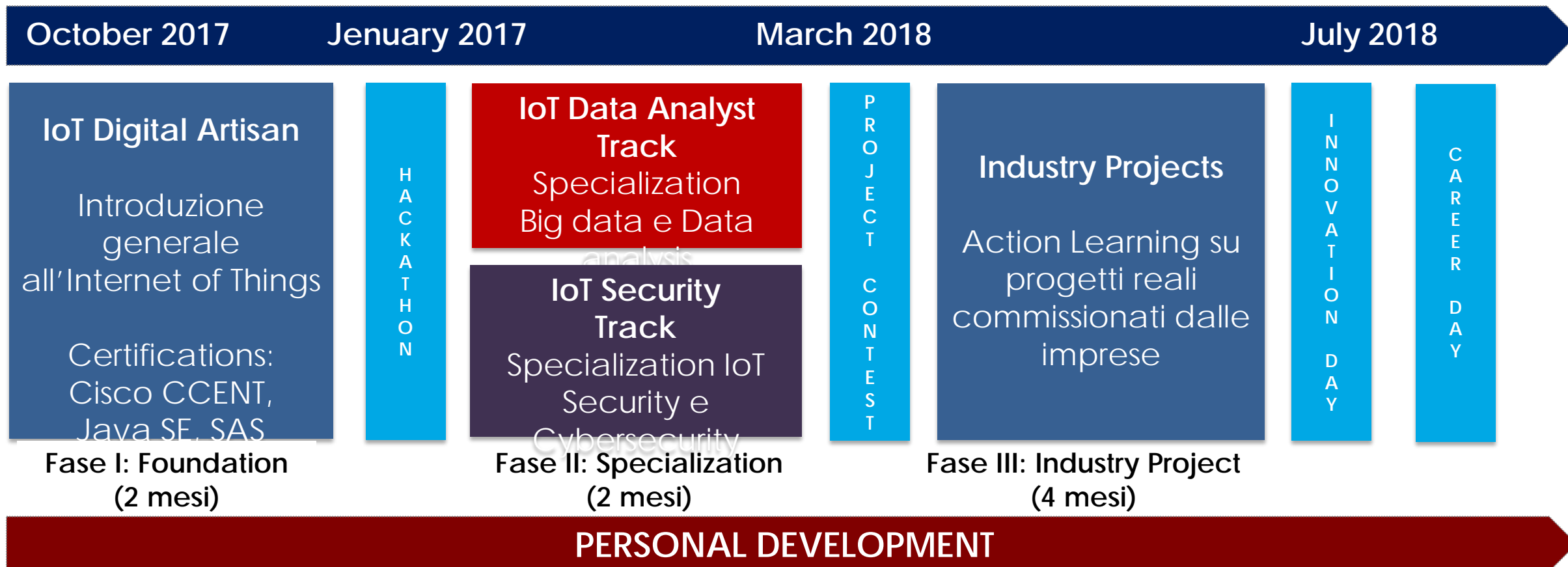


A three-year degree tailored to business needs through work 50% Study – 50% Work

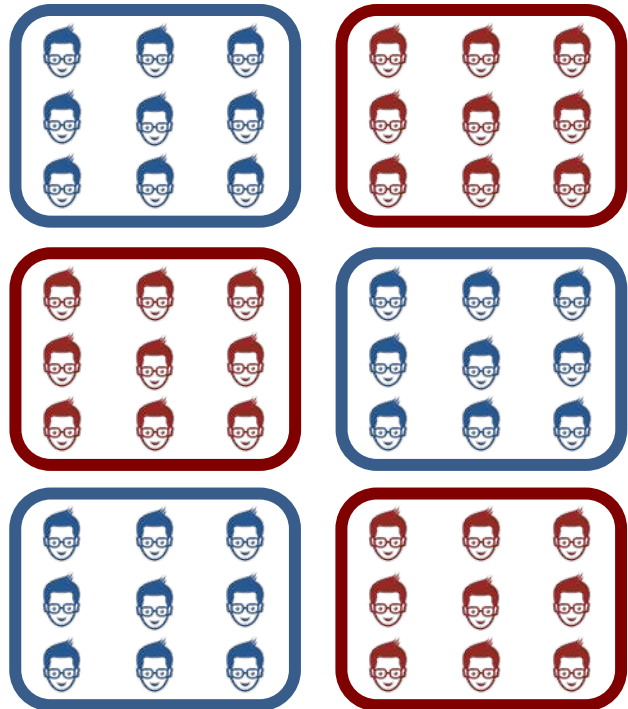


POLITECNICO
MILANO 1863

A Postgraduate Master for Industrial IoT expert 50% Study – 50% Work



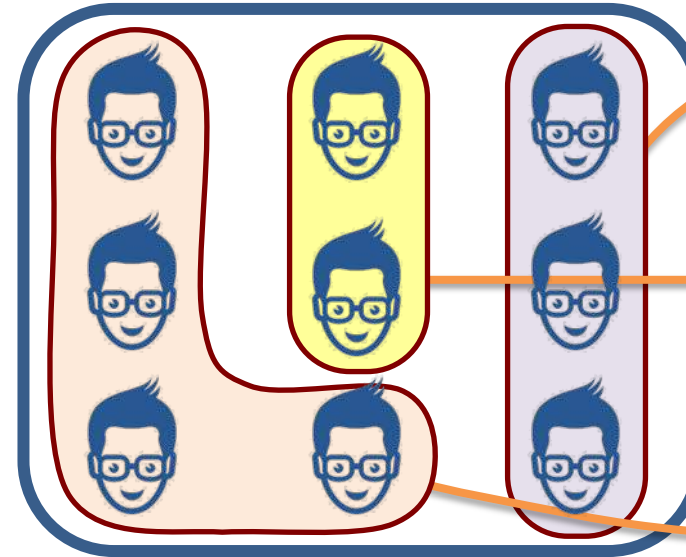
Innovation Domains



Domain 1 Es. Cybersecurity



*Head
ELIS dominio 1*



Domain 1 Company Sponsors



*Company
reference*

A



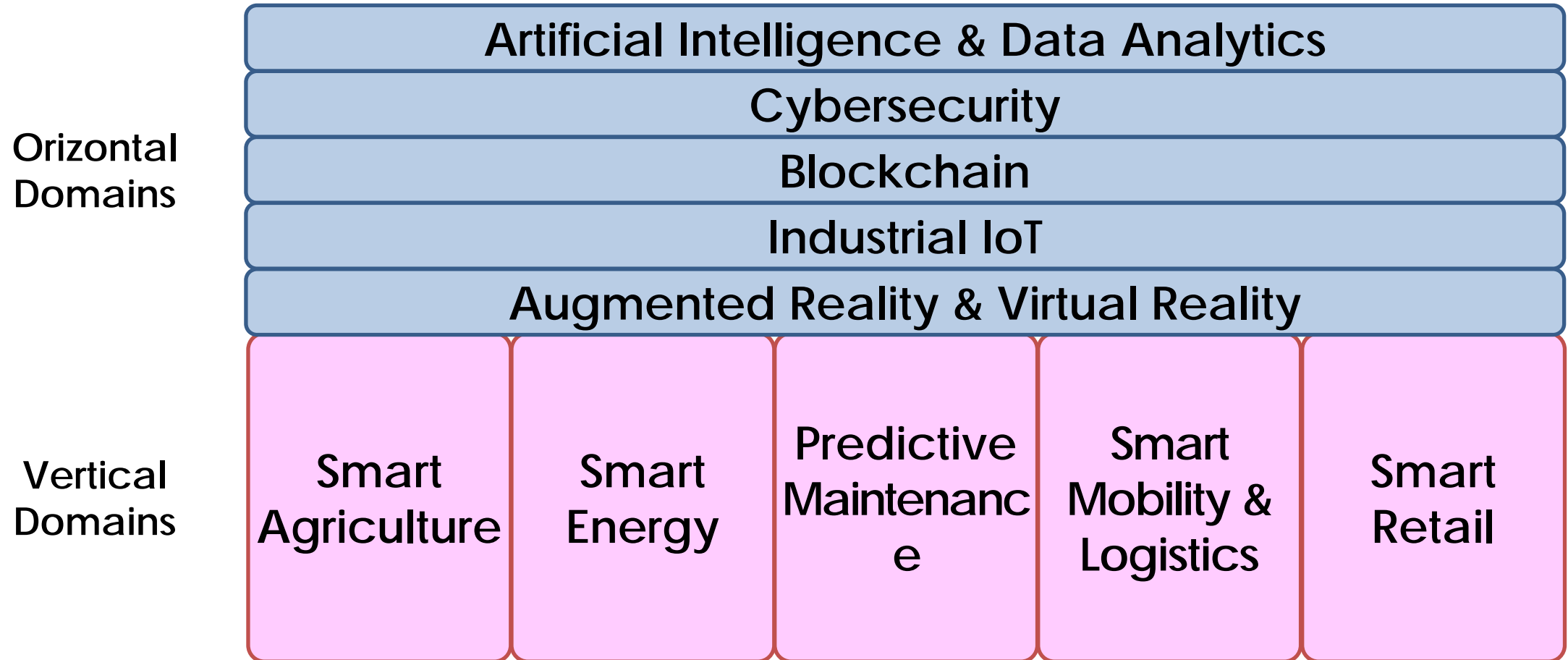
*Company
reference*

B



*Company
reference*

C



Cybersecurity

- Sensors, Gateway & Network Security
- Cloud & Data Security
- Application Security
- Predictive Security Intelligence
- Vulnerability Assessment & Penetration Test

Use case example:

Create a real-time system in order to process a large amounts of data and detect attacks before they occur (IT, fraud), providing, timely information to counter them effectively

Artificial Intelligence & Data Analytics



- HR Analytics
- Traffic optimization (RFI)



- Customer Analytics



- Customer Centric Assurance

Cybersecurity



- Cybersecurity (Group)



- Cybersecurity for home banking



- Cybersecurity for defence

Orizontal
Domains

Blockchain



- Blockchain use case

Industrial IoT



- Industrial IoT (Trenitalia)



- Industrial IoT for Infrastructures



- Industrial IoT

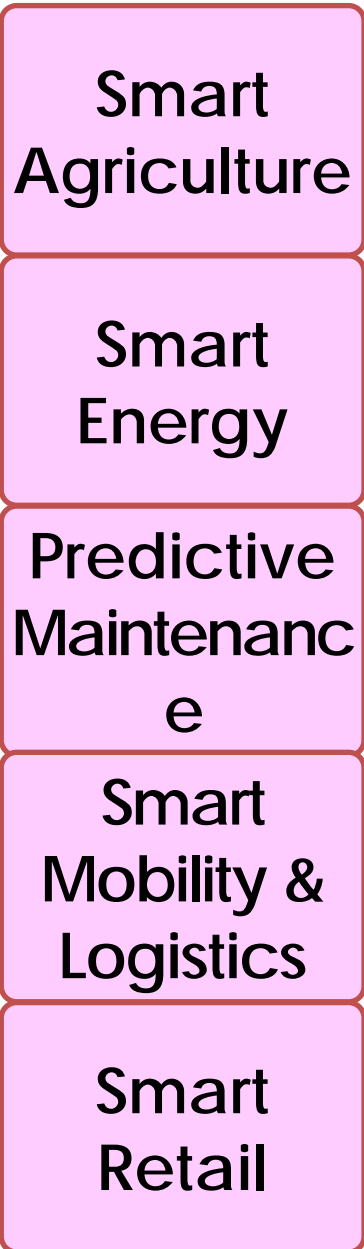
Augmented Reality & Virtual Reality



- Augmented Reality by Hololens

- ADS-BWAY (Industrial IoT Security)
- AXA ITALY (Cyber Insurance: new risk analysis models and associated standards)
- ENEL (Advanced optical networking: physical-level security for fiber optic networks)
- ENGINEERING-WEB RESULTS (IT Security)
- FASTWEB (Attack prevention modeling based on Big Data)
- MAGNETI MARELLI (Embedded car system security)
- TIM (Predictive Cybersecurity)

Vertical
Domain



- *Accumuli Sustainability Project*



- *Smart Energy solution*



- *Airport process optimization*

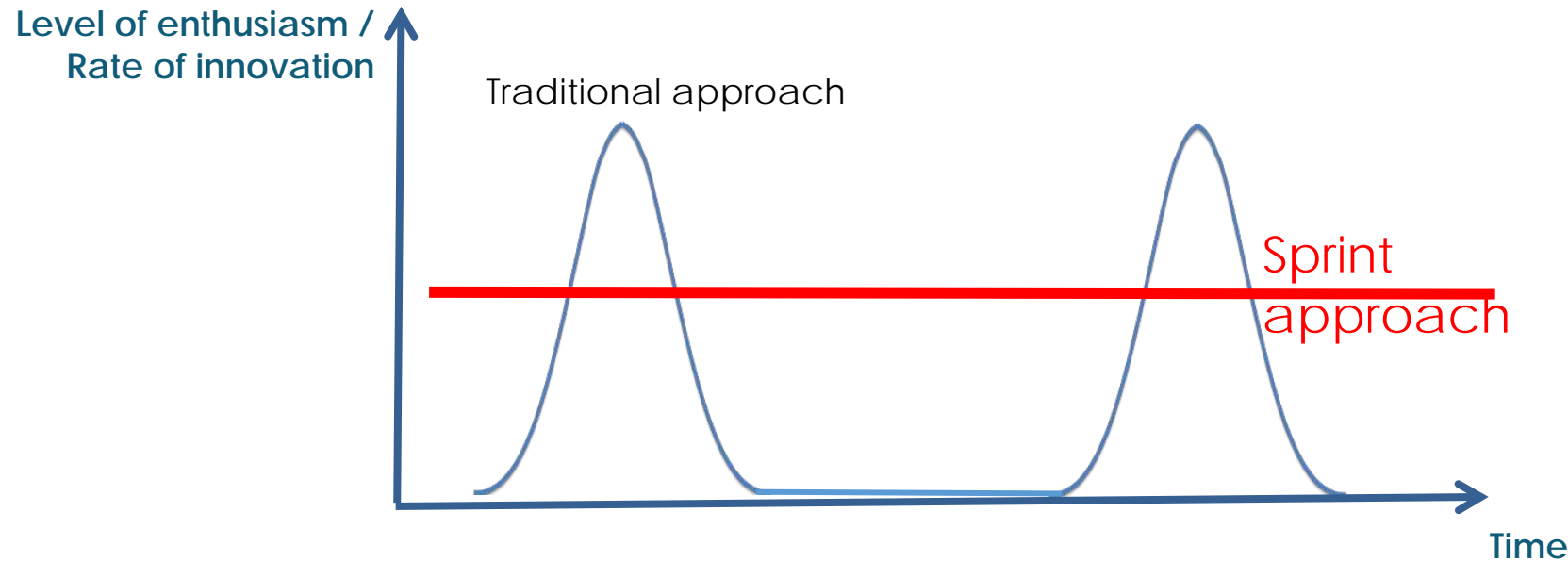


- *Smart Road Project*



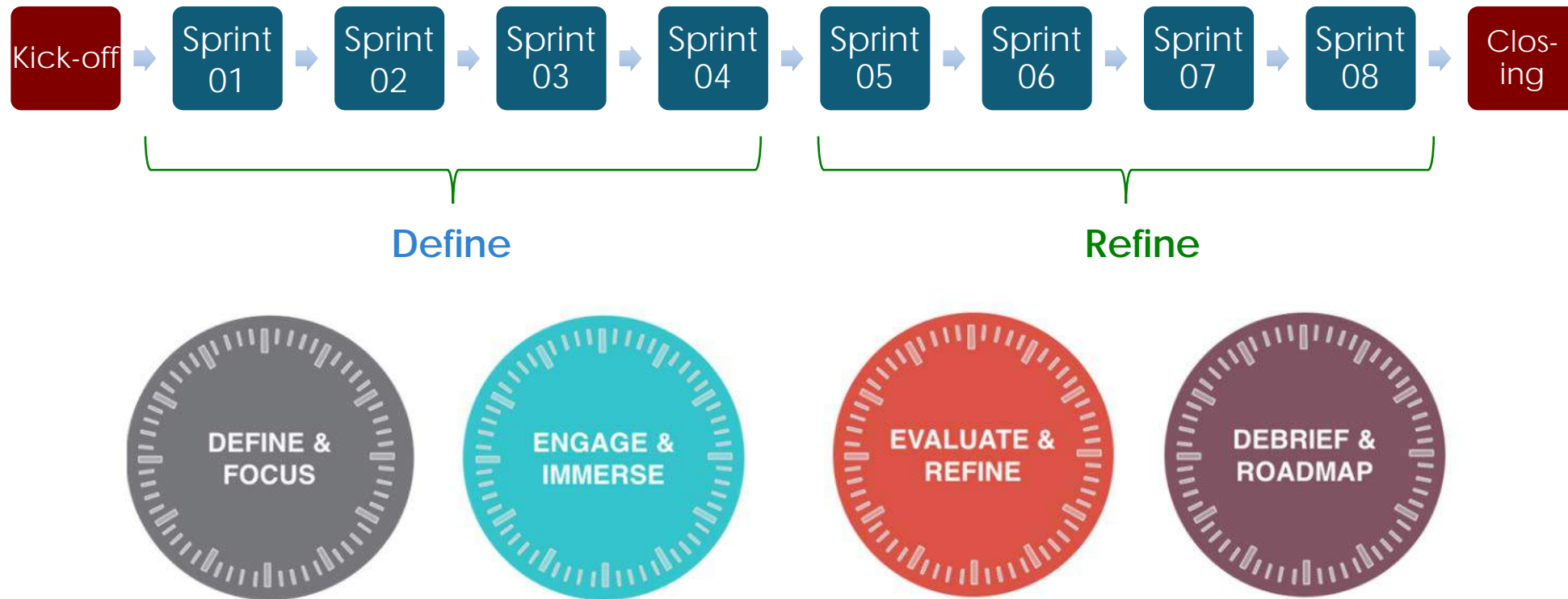
- *Augmented Reality for smart retail*

Why a sprint for an innovation project



- All actors involved are active at all stages
- All actors involved are responsible for the proposed output each sprint

Sprint Acceleration



Basic

1. Choose the domain of innovation of interest and specific projects from to assign junior talent teams
2. Promote at least 2 projects per year
3. Each team has at least 2 students and the total cost for them is 30k
4. Identify a project referent for each team

Plus

1. Identify your own people to join the project team
2. Identify experts in support of multiple domains, to be named co-teachers of the Polytechnic of Milan

The Innovation Hub is led by a *Technical Advisory Board*

Who are its members

- President
- Director
- Business referents promoting student projects
- ELIS innovation domain managers



What is it for?

- Defining / reviewing innovation domains
- Define projects and evaluate their results
- Address training content
- Define how to mentor and support

When it meets

Ordinarily 3 times a year, during the months of:

- October
- February
- June



Consortium Innovation HUB

Consortium Innovation HUB

- *Physical environment for consortium companies*
community
 - *Emerging technologies*
competence center
 - *Innovation HUB for the digital transformation*
- **Contamination** from junior talent, digital native, and professionals



COMMUNITY

- Companies
- Students
- Researchers
- Startupper
- Entrepreneurs
- Makers, designers
- Technology experts



LEARNING

- Competence development on emerging technologies through the realization of real projects
- Experimenting innovative teaching methods
- Sharing experiences



INNOVATION

- Managing of emerging technologies (Sensors e IoT, Cognitive computing/ Machine learning, Cybersecurity, Blockchain, Robotics)
- Design thinking, Rapid Prototyping



CONTAMINATION

- Collaboration between students and companies in innovation projects (business modeling, prototyping, etc.)
- Constant exchange between consortium members and between supply and demand



Professionals
of consortium companies and
partners



Professionals
ELIS
And universities partner



Supply +60
↓ ↑
Demand Companies
Co-creation Community





SPACE DISTRIBUTION		BEFORE- WORKS	AFTER- WORKS
Non-operational spaces		472 m ²	165 m ²
Operational spaces		742 m ²	1.143 m ²
WORKSTATIONS		BEFORE- WORKS	AFTER- WORKS
<i>Community</i>	Spaces dedicated to the exchange and discussion; meeting rooms	30	67
<i>Learning</i>	Training spaces (flexible classrooms for different types of teaching)	82	175
<i>Innovation</i>	Workstation dedicated to individual focused work (desk in coworking)	36	48
	Spaces dedicated to		

Using the LEAD GENERATION of



Through partnership with **Paid Attention** you will be able to reach one-to-one **business executive** with your promotional content

The recipients of the communication will be informed that **their attention will contribute to the realization of the new spaces of the ELIS Innovation Hub**

Communication will take place via **short videos (about 1 minute)** of sponsored companies on their smartphone

How to participate

Executive

CIOs / CTOs / CxOs of consortium companies can give their individual willingness to give a few minutes of attention.

Every 10 minutes of attention given **adds one square meter** to the new spaces of the ELIS Innovation Hub

Company sponsor

Companies interested in generating lead through the attention of these executives will add **one square meter** to the new spaces of the ELIS Innovation Hub **for every 1,000 euro subscription purchased**

10 minutes of attention = 1 square meter realized

Executive

Donate at least 50 minutes of your time

Company Sponsor (only 10 will be accepted)

Buy at least 500 minutes of executive attention



<http://www.paidattention.it>

10 minutes of attention = 1 square meter realized

100 Executive

They will be invited to donate at least 50 minutes of their time

Gianluigi Castelli, Paolo Martella, Carlo Bozzoli, Raimondo Zizza, Fabrizio Rocchio, Chris Woods, Daniele Rizzo, Marco Moretti, Roberto Fonso, Gianfilippo Pandolfini, Gianluca Pancaccini, Gabriele Benedetto, Giuseppe Langer, Dina Ravera, Antonella Ambriola, Gabriele Sigismondi, Roberto Saracino, Massimiliano Garri, Paolo Carrarini, Mario Mella, Giovanni Damiani, Giampalo Tagliavia, Umberto Angelucci, Giovanni Ciarlariello, Paola Formenti, Luca Marchitto, Stefano Paggi.

10 minutes of attention = 1 square meter realized