GE Digital’s European Foundry
GE Digital’s European Foundry is helping industrial companies with their digital transformation. Our experts will help you:

• **Understand how world class skillsets** such as agile software development, industrial data science can help your assets, processes and systems more reliable and more profitable

• **Reach internal alignment quickly** on a common “high level roadmap”, mapping the most promising opportunities and identifying the possible starting points

• **Take the first steps** by leveraging the “digital transformation toolbox” gathered in the Foundry: design, application development, industrial data science, change management, talent and beyond
What will you find

Clear answers to any of your technical questions by world class experts
- Design, Data Science, Connectivity, Engineering & development, Cybersecurity
- Change management, Industry expertise, Startups scouting and acceleration, etc

Unique tools to explore how digital can bring value to your company
- Based on our global experience and our own transformation
- With hundred of customer relations in all industries, domains and geographies

Co-creation and 100% focus on your specific pain points and opportunities
- The foundry is not a commercial place, it is a place made for co-creation & design thinking where teams are rewarded for their impact not a level of sales.

A vibrant digital industrial ecosystem across Europe
- Startups
- Partners
- Academics
GE Digital’s European Foundry Tour
Meet some of our experts

VINCENT CHAMPAIN
General Manager

Ecole Polytechnique – Master in Computer Science
Ecole Nationale de la statistique et de l’administration Economique – Master in Data Science
Université Paris Dauphine – Postgraduate diploma in Strategy

Strategy
Innovation Management
Digital Transformation

ELEONORA DI FLORA
Strategic Programs Director

Bologna (IT)
Engineering and Industrial Management Master’s degree

Process Improvement
Risk Management
Oil & Gas
Digital Transformation
Renewables

HYCHAM BASTA
Chief Data Scientist

Ecole Polytechnique – ENSAE
University Paris 6 Pierre et Marie Curie

Industrial Internet of Things
Applied Mathematics and Mechanics
Project Management

MICHAËL HOARAU
Strategic Programs Director

Supaero (Aerospace Engineer School) – Master of Science degree
Applied Physics – Honour’s degree
(Automation, Signal Processing, Engineering)

Engineering
Big Data
Data Science

HERVÉ SABOT
Engineering & Innovation Director

University Pierre et Marie Curie – Master’s degree in Artificial Intelligence
University of Tours – Specialized Master in Computer Aided Manufacturing

Project Management
Software Development
Automation
Innovation
Digital Twin

MICKAËL DAVID
Sr. UX Design Director

E.N.S.A.M. : Ecole Nationale Supérieure des Arts et métiers

Design Thinking
UX/UI Design
Service Design

Examples
Not exhaustive
How do we help you create value?

Industrial Data Science

Finding the needles of value in your stacks of data using our world class industrial data scientists (a global team of 400 at GE) and algorithm experts

The power of the cloud

Easy and cost effective access to very large data storage capacities, computation capabilities and industry-specific services using our cloud-based platform Predix

Agility, speed and design

Designing and developing quickly applications that are easy to use and to adopt and bring a clear return on investment
What we do
Value Levers Exploration

This is for you if you need: a high level map of how and where digital can help you; to stimulate digital initiatives and prioritize them; to benefit from GE’s experience and large knowledge base.

You will take part in multidisciplinary working sessions leveraging our global network of experts and knowledge base, during a few hours or days.

You will get:
• A high level map matching your key critical assets / processes / systems with digital industrial value levers
• An alignment among all the participants in the sessions
• A clear view on possible next steps
• Other deliverables depending on your specific needs
This is for you if: you have industrial data and want to extract its value; you have unsolved data related or complex problems; you think advanced analytics could help you solve some of your business problems (process optimization, scheduling, scrap, quality, predictive maintenance, etc).

You will be supported by our world class data science teams and industry experts. They will work hand in hand with your experts on all the “data chain”, from connectivity and physical measure to analysis, algorithm design and datascience based application development.

You will get:
- A report on potential value levers
- An estimate of how much you can earn from your industrial data
- An algorithm helping you extract this value
- A datascience based application
Agile application development

This is for you if: you need a cloud based application solving one of your business problems; you want to test the value of our tools and platform on one of your business cases. Our applications are designed to solve your problems in an efficient way while being quickly developed, and designed to ensure an easy rollout for all operators.

We will provide you a full team including developers, designers and data scientists. Depending on your needs they can also partner with some of your developers or experts.

You will get:
• A working, easy to use cloud based application
This is for you if you need an ideation or design thinking session to support idea generation or team alignment; you need the help of Visual / User Experience experts to design ergonomic, easy to use and impactful desktop or mobile applications.

We will look at your needs and working context to identify your core business problems and solutions to tackle them.

You will get
• An ideation report
• An application design wireframe
Training / Dojo

This is for you if you need deep hands-on understanding of how to operate & use Predix; you want to train your teams on Predix; you want to build & deploy your first Predix application. The Dojo is a specific kind of training using one of your problems and helping you to build a working application solving this specific problem.

We will welcome you to our training facility and co-create with you a ready-to-use Predix application.

You will get
- “Predix ready” developers
- A working, easy to use cloud application
- Other trainings (industrial cybersecurity, data science, design thinking,...) are possible
This is for you if: you need to detail one or several steps in your digital transformation (architecture, talent management, change management, etc.) leveraging our own experience and our global Digital Transformation BluePrint team

You will get:
• A Digital transformation Blue Print
“Industrial Internet is about finding needles of value in stacks of data, and turning these insights into agile applications”
Eleonora is currently the responsible for Customer Success at GE Digital European Foundry.

Originally from an IT and financial consultancy background, Eleonora joined GE in 2008 where she has held positions of increasing responsibility across different industries. From risk management in Oil & Gas to a power conversion company acquisition and integration, through global sales leadership, Eleonora has extensive experience in leading major transformational projects and a successful track record of business performance improvement and simplification in Energy, Marine, Mass Transportation Systems and Power Generation sectors.

Skills
- Process Improvement
- Risk Management
- Digital Transformation
- Business
- Oil & Gas
- Marine
- Renewables
- Transportation
- Power Generation

Languages
- English
- French
- Italian
- Portuguese
- Spanish

Studies
- Alma Mater Studiorum University, Bologna (IT) - Engineering and Industrial Management Master's degree

“The digital industrial transformation is about reshaping industries, mapping the physical world into a digital models, and defining new business models. It is exciting, it is happening now and it’s happening fast.”
MICHAËL HOARAU
Strategic Programs Director

GE Digital, Europe Foundry

Currently strategic programs director of the European Foundry, “Changing how the world works, one step at a time” is his key motivation when hosting customers there.

Prior to this role, he specialized in Big Data & Data Science: before joining General Electric he built a 100 consultants strong business unit dedicated to these cutting edge approaches and technologies.

He started his career at Capgemini where he held various consulting and management positions during 10 years: from aircrafts structural analysis to complex simulation life cycle information system for Procter & Gamble, through the design of automation & control system for Engie’s water treatment plant, Michaël has a rich and very diverse domain knowledge of several industrial sectors.

Skills
- Engineering
- Data Science
- Digital Transformation
- Big Data

Languages
- French
- English
- German
- Mandarin
- Russian

Studies
- Supaero (Aerospace Engineer School) – Master of Science degree in Applied Physics – Honour’s degree (Automation, Signal Processing, Engineering)
HYCHAM BASTA
Chief Data Scientist
GE Digital, Europe Foundry

Hycham is the Chief Data Scientist of the GE Digital European Foundry. Prior to this role, Hycham was leading the DELMIA Operations Intelligence R&D team in Dassault Systèmes. He also participated to develop a predictive machine learning algorithm based on a proprietary rule generation approach. Hycham spent nearly 10 years in data driven analytics advisory with applications in Manufacturing as well as Financial and Business Services. Hycham has more than 15 years of expertise in scientific software development, holds a Master’s Degree in Engineering Sciences and a PhD in Applied Mathematics of University of Paris-IX (Dauphine)

Skills
- Applied Mathematics and Mechanics
- Software Development
- Industrial Internet of Things
- Data Science
- Project Management

Languages
- French
- English
- Arabic

Studies
- Ecole Polytechnique – ENSAE – University Paris 6 Pierre et Marie Curie

“The greatest enemy of knowledge is not the ignorance, it is the illusion of knowledge”, Stephen Hawking
HERVÉ SABOT
Engineering Director

GE Digital, Europe Foundry

Hervé is leading the Europe Foundry software development team. Prior to this role, he held various positions in R&D for power automation systems, working for Alstom as project manager for engineering tools, automation for Power plants (Steam and Gas turbine controllers) and head of R&D teams developing control systems.

Skills
- Project Management
- Software Development
- Industrial Automation

Languages
- French
- English

Studies
- University Pierre et Marie Curie – Master in Artificial Intelligence
- University of Tours - Specialized Master in Computer Aided Manufacturing

“Even if the software is invisible, it can bring a lot of positive changes to our world.”
Mickaël is the Sr. UX Design Director of the GE Digital European Foundry. As an engineer by training, he has spent the last 12 years in digital creative agencies, and has created his own start-up. Today, he puts his expertise in design thinking and user experience design at the service of industrial digital transformation. His objective is twofold: first, supporting customers in understanding and prioritizing their business problems, and then building the most effective digital solutions adapted to their end user needs.

Specialities
- Design Thinking
- UX/UI Design

Languages
- French
- English

Studies
- E.N.S.A.M. : Ecole Nationale Supérieure des Arts et métiers

“Design is a funny word. Some people think design means how it looks. But of course, if you dig deeper, it’s really how it works.”  Steve Jobs
Predix – A cloud-based platform for industry

Connectivity

Predix machine
Software / Analytics

Enterprise systems

Enhanced security

Asset optimization

Services

Asset

Analytics

Data

Security

Operations

Cloud Foundry

Industrial Big Data

Predix Cloud

Gated community, purpose built for industry

Applications

UI / Mobile applications

Machine connectivity

Enhanced security