



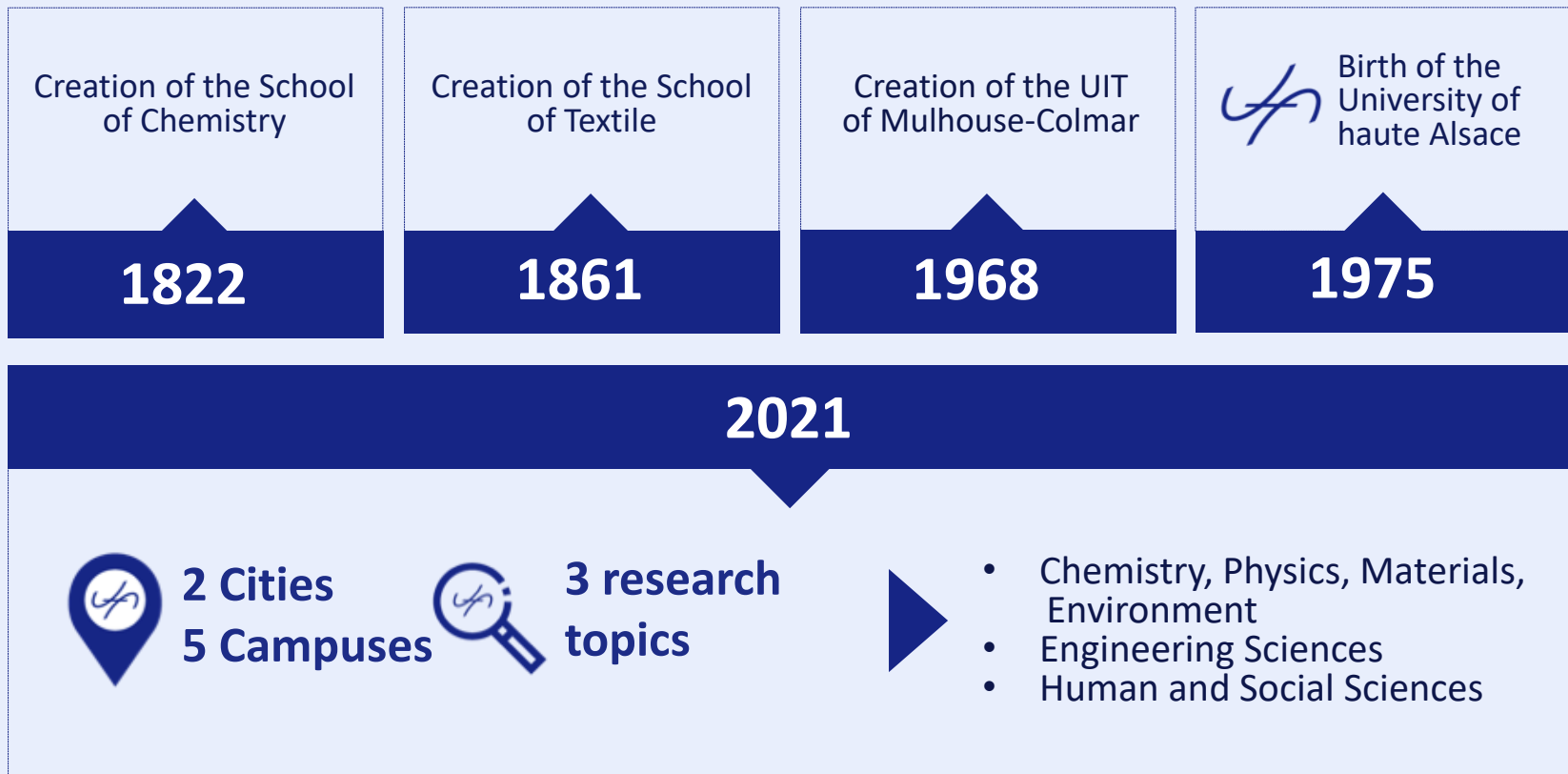
UHA | FINDER OF SOLUTIONS IN ENERGY AND E-MOBILITY

www.uha.fr



THE UNIVERSITY OF HAUTE ALSACE, THE HISTORICAL R&D PARTNER OF THE COMPANIES

A university built for and by the industrialists thanks to the Mulhouse Industrial Society :





THE UHA IN THE HEART OF AN INDUSTRIAL AREA



A UNIQUE SYNERGIE OF 7 RESEARCH LABORATORIES FOR A GLOBAL OFFER

Technical Sciences



Human and Social Sciences



- 320 researchers, engineers et technicians
- 256 doctoral students
- 190 industrial projects initiated over the period 2016-2020

FROM RESEARCH TO INDUSTRIAL PROTOTYPE

TECHNOLOGY READINESS LEVEL (TRL)



A GLOBAL OFFER FOR TAILOR-MADE SOLUTIONS

From production to uses of electrical
energy and e-mobility



ENERGY PRODUCTION

- Biomass combustion
- Pyrolysis
- Metal combustion

- Energy recovery from the combustion of waste
- Biochars
- Pollution abatement

- Photovoltaic Systems

TRANSPORT

- Materials functionalisation for:
 - Pipes more corrosion, shock, wear etc. – resistant.
 - Giving anti-fouling, fire-resistant, non stick properties to the power grid facilities (ex. power plants, power lines etc.)
- Personal protective equipments -
Workwear





STORAGE

- Batteries – Carbone anode
- Ultra-capacitors
- Na-Ion and K-Ion batteries
- Battery Management – Real time charge level
- Battery Mobility Storage

- Batteries recycling
- Batteries second life



Réseau sur le stockage
électrochimique de l'énergie

USES AND CONTROL - Technological topics

- Industry of the Future
- Waste energy
- Smart City
- Smart Grids
- Smart Meter
- E-Mobility

- Modelisation
- Cyber physical security
- AI, Deep Learning



USAGES ET CONTRÔLE - L'Humain

- Qualitative and quantitative surveys
- Customer experiment
- Active consumer
- Risk analysis
- Legal
- Acceptation
- Appropriation
- Communication
- Change management





TAILOR-MADE DEVICES for your future products and services

- R&D partnership contracts
- Call for projects (local, national, European)
- Service agreements
- Consultancy
- Customised initial and continuous training
- Technology transfert



TAILOR-MADE DEVICES to finance your innovations

- ANR
- ADEME
- BE Est
- PIA
- Horizon Europe
- Interreg VI
- CIFRE Thesis
- CIR
- Etc.

WITH OUR PARTNERS:



bpifrance



REISA





A UNIQUE ADDED-VALUE FOR COMPANIES

Collaborate with the **UHA** means :

- Having access to high-level experts
- Having access to cutting-edge scientific equipments and pilot systems
- Having access to relevant environment for your experimentations=> **SMART UHA**
- Establishing win-win partnerships
- Innovating
- Opening to the Europe => **EUCOR**
– The European campus
- 1 preferred contact

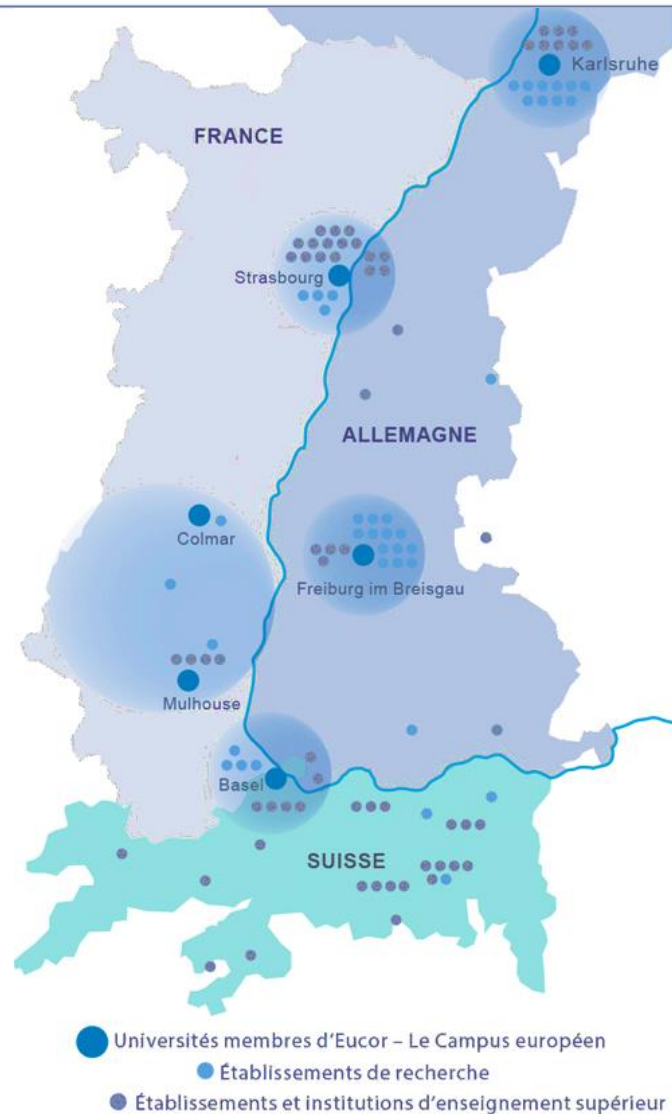
SMART UHA



A place for experimentation, learning and new uses of energy efficiency in buildings and autonomous electric vehicles

EUCOR – The European Campus

- 117 000 students
- 15 000 researchers
- 13 500 doctoral students
- 2 300 000 000 € Universities overall budget



THANK YOU FOR YOUR ATTENTION

Your contact

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