



Innov Cool Tech

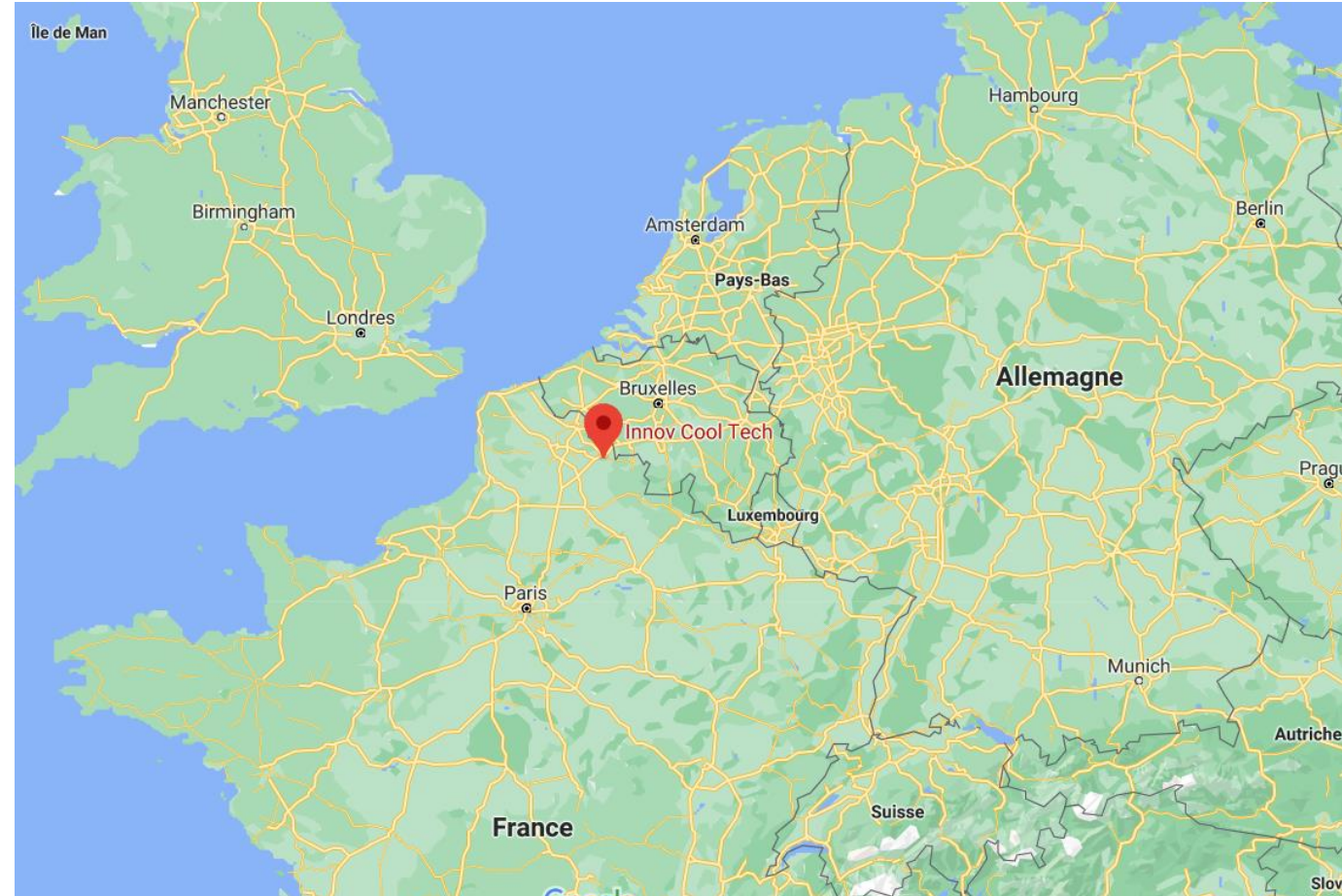
Thermal Management of Electrical and Electronic Systems

About us



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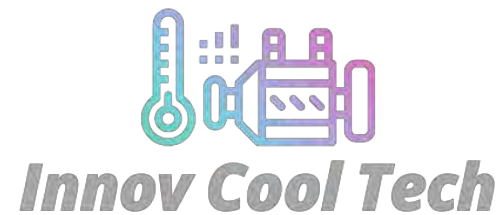
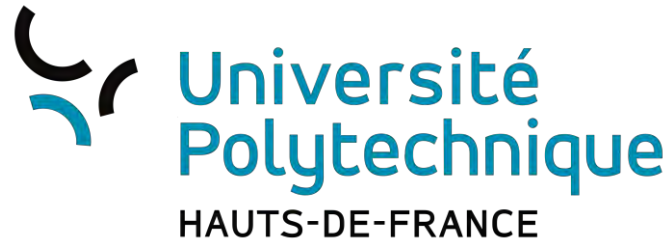
- **A Spin-off created in March 2021**
- **Situated in Valenciennes, north of France**
- **Field of activities: thermal and fluid engineering services**



Our History



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- Skills have been capitalized on during projects such as the Intelligent Integrated Energy Converter (CE2I),
- Hosting agreement saw the light in April 2021 to record the UPHF university's support for the young start-up.

Application domains



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Sectors

- **Automotive** : Electric/Hybrid motors, Alternator-starters, Power electronics, Batteries
- **Railway** : Rail traction
- **Aeronautics and aerospace**
- **Energy** : Alternators for wind turbines, High voltage cables

Cooling techniques

- **Air cooling**: Heat Exchangers
- **Liquid cooling** : Loops, Water Plates
- **Spray cooling**: Air Spray, Oil Spray, Oil Mist
- **Two phase cooling systems** : Heat pipes, Vapor Chamber, Loop Heat Pipe
- **Phase change material** : paraffin, salts and mixtures of salts,...
- **Immersion** : Dielectric liquids

Our Service Offers



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Simulation & Calculation

- Advanced thermal and fluidic simulations.
- Know-how on innovative cooling solutions.
- Nodal thermal homemade code expertise for electric machines.

Thermal Characterization

- Design of test benches in order to analyze and optimize your thermal and fluidic systems.
- Working fluids characterization.

Analysis & Advice

- Assistance in understanding your product works and identify areas for improvement.
- Provide feedback on your thermal management projects.

Contact us



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