

Bercy-IMT Innovation Awards 2023 Winners

- **Grand Prize: DeepHawk**
- **Ecological and Solidarity Transition Award: üMotion**
- **Local Territory Impact Award: Carbon Blue Development**

Each year, Institut Mines-Télécom (IMT) organises the Bercy-IMT Innovation Awards in partnership with the French Ministry of the Economy, Finance and Industrial and Digital Sovereignty. The start-up contestants all come from Institut Mines-Télécom's incubator network, France's top academic network of DeepTech incubators. The competing companies are selected for their impact in relation to ecological, digital and industrial transition.

Economic and social development

For the 2023 awards, Institut Mines-Télécom sought to highlight the crucial role innovative startups play in the economic and social development of their regions. Thanks to award's sponsor, Caisse des Dépôts, two new categories were introduced to recognise projects that contribute significantly to the development of local territories and the ecological and solidarity transition.

The 2023 winners

The Innovation Grand Prize - in partnership with Carnot Télécom Société et Numérique

This prestigious prize is awarded to the start-up that has demonstrated the highest level of technological innovation and the ability to positively transform its industry. The winning start-up receives a financial award of €15,000.

This prize went to **DeepHawk**, incubated at IMT Atlantique. DeepHawk develops frugal AI for visual quality control for industry. DeepHawk requires less data (only 30 to 50 images) to train the model and reduces the rate of false positives. Learning is done using compliant products, without any need to pre-learn all the possible defects for a part.

The Ecological and Solidarity Transition Award - in partnership with Caisse des Dépôts Group

This distinction is awarded to a start-up that has made a significant contribution towards protecting the environment, reducing carbon emissions and promoting sustainability. The winner receives a financial award of €7,500.

The prize was awarded to **üMotion**, incubated at Télécom Paris. The team is working to create a utility vehicle for urban and suburban last-mile logistics with an innovative propulsion system. Today, most

utility vehicles run on diesel. The Vike is a "zero-emission" vehicle with low power consumption at half the price of an equivalent electric vehicle.

The Local Territory Impact Award - in partnership with Caisse des Dépôts

This award recognises a start-up whose activities have had a positive impact on local communities, thus contributing to the economic and social development of local territories. The winner receives a financial award of €7,500.

Carbon Blue Développement incubated by IMT Starter (Télécom SudParis, Institut Mines-Télécom Business School, ENSIIE) won this award. Carbon Blue has innovated by creating the new trade of plastic cabinetmaking by using plastic waste for a craft industry carried out at local micro-factories that reuse 30 tonnes of waste per year.

Françoise Prêteux, Director of Research and Economic Development at Institut Mines-Télécom explained: *"Institut Mines-Télécom plays a key role in research, innovation and education in the fields of frugal digital technology and responsible industry. With our network of DeepTech incubators supported by our schools' laboratories, we actively contribute to the creating innovative start-ups that help shape the future of our society. This award reinforces our commitment to create start-ups with the potential to become industrial leaders in the country. We would like to thank our partners for their support in our pursuit of innovation and economic development: the French Ministry of the Economy, Finance and Industrial and Digital Sovereignty, Carnot Télécom Société & Numérique, as well as the Caisse des Dépôts Group, which joined us in hosting the 2023 awards."*

The other start-up contestants were:

- **Ceraneo**, incubated at IMT Mines Alès, seeks to help the wine industry reduce its environmental impact with an innovative solution for filtering suspended particles, bacteria and viruses, which uses less water than current methods.
- **Moabi Solutions** incubated by TechForward (EURECOM, IMT, EDHEC), supports companies by creating solutions for securing their development processes with a reverse engineering platform that can audit the cybersecurity of any software, even without access to the source code.
- **KaomX**, incubated at Mines Saint-Étienne, is developing a device to measure the elastic properties of soft tissues or bioprinted 3D structures at the cellular level. By 2030, animal research will be banned entirely and research laboratories will need to use 3D bioprinted cells.
- **Bulldog**, incubated at Télécom Paris, offers a platform with a unique social media engagement model. AI analyses the content of micro-influencers in real-time and rewards them with points when they drive brand engagement.
- **Gobiworld**, incubated by TechForward (EURECOM, IMT, EDHEC) is developing a universal exchange technology based on blockchain to unify various financial systems (banking, Mobile Money, Wallet). It aims to connect banking financial solutions with Mobile Money in Africa.
- **Crystal Quantum Computing**, incubated by Télécom Paris, is developing a quantum computer with trapped Rydberg ions.
- **Ash'Up**, incubated at IMT Mines Albi, provides low-carbon solutions for everyday consumer products by reusing ash from industrial boilers to manufacture household detergent and cementitious binder for construction.
- **Behav**, incubated at IMT Nord Europe, has developed an eco-responsible cactus-based alternative to leather. In addition to being bio-based, the material will be totally recyclable using a process that recovers items made from plant-based leather and turns them back into raw materials ready for use.

- **Wallace Technologies**, incubated at Mines Saint-Étienne, is developing a massive electricity storage solution for a time scale of 1 to 3 days to optimise energy management (purchase and sale).



The winners and the jury – *Rights reserved: IMT*

About Institut Mines-Télécom www.imt.fr/en

Institut Mines-Télécom is the leading public group of French engineering and management schools to be placed under the supervisory authority of the Ministry of the Economy, Finances and Industrial and Digital Sovereignty. It is a public research and higher education institution made up of eight public graduate schools: IMT Atlantique, IMT Mines Albi, IMT Mines Alès, IMT Nord Europe, Institut Mines-Télécom Business School, Mines Saint-Étienne, Telecom Paris and Telecom SudParis as well as two subsidiary schools: EURECOM and INSiC. It leads and develops a rich ecosystem of partner schools and economic, academic and institutional partners and players in training, research and economic development. Created to meet France's needs in economic and industrial development since the 19th century, Institut Mines Télécom's graduate schools have supported all the communications and industrial revolutions. Through its research and its training of engineers, managers and PhD students, Institut Mines-Télécom tackles the major industrial, digital, energy and environmental challenges in France, Europe and around the world. Today, Institut Mines-Télécom and its 10 schools are imagining and building a world that combines science, technology and economic development with a respect for the planet and the people who live on it. It is double Carnot certified and trains 13,600 students every year.



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