PRESS RELEASE

MWCapital showcases at 4YFN two experiences with spin-outs from its portfolio on AI applied to healthcare and sustainable cooling

- **For the first time at 4YFN, MWCapital is presenting two technological experiences in collaboration with two of its spin-outs, Ephion Health and UniSCool, demonstrating how AI can translate a person's movements into a precise measure of their health status and how a liquid cooling solution can drastically reduce the energy consumption of data centres and AI systems.**
- **MWCapital is a key player at 4YFN in bringing together scientists and entrepreneurs, strengthening the technology transfer ecosystem to help scientific projects reach the market.**
- **MWCapital will have a presence on the main stages of 4YFN26 with experts from the technology transfer ecosystem and will bring spin-outs from The Collider portfolio to a session at the Pitching Point, where they can also be visited at the stand's start-up corner.**
- **At the MWCapital stand auditorium at 4YFN, an exclusive meeting will bring together Catalonia's R&D&I Networks to mark the continuity of the initiative and foster new strategic agreements and collaborations.**

Barcelona, March 2, 2026. – Mobile World Capital Barcelona is presenting for the first time at 4YFN two technological experiences together with Ephion Health and UniSCool, two spin-outs from The Collider portfolio, its technology transfer programme. These initiatives highlight how artificial intelligence can analyse a person's mobility to detect specific patterns indicating their health status, and how innovation can reduce environmental impact by optimising the energy efficiency of data centres.

As part of its commitment to strengthening the technology transfer ecosystem and facilitating the journey of projects emerging from universities and research centres to the market – generating a positive impact on society –, MWCapital is a key player at 4YFN in bringing together scientists and entrepreneurs. Attendees will be able to take part in content sessions, networking activities and demo days at its auditorium.

According to the latest report *"The Deep Tech Spin-out Ecosystem in Spain 2025"*, published by MWCapital, Spain currently has more than 1,000 companies originating from universities and research centres, generating an economic impact of €1.4 billion.

Maintaining this focus, one of the Foundation's key activities at the event is a session at the Banc Sabadell Stage addressing what comes next for the deep-tech spin-out ecosystem. The session will host a strategic debate on the future of the sector, bringing together voices from across the ecosystem: public administration, investors, universities and spin-out executives. Speakers will include Albert Mascarell, Director of Technology Transfer at MWCapital; Teresa Riesgo, Secretary General for Innovation at the Ministry of Science, Innovation and Universities; Mireia Riera, Coordinator of RedOTC; Javier Ulecia, Co-founder of Bullnet Capital; and Miguel Silva-Constenla, Co-founder of AllRead.

An exclusive meeting will also take place at the MWCapital stand auditorium at 4YFN, bringing together Catalonia's R&D&I Networks to celebrate the initiative's continuity and promote new strategic agreements and collaborations, with the participation of Carme Pratdesaba, Coordinator of the R&D&I Networks of the Government of Catalonia, and the Director of Technology Transfer at MWCapital.

Albert Mascarell, Director of Technology Transfer at Mobile World Capital Barcelona, stated: "The presentation of these experiences at our stand, through the technologies developed by the spin-outs UniSCool and Ephion Health, consolidates The Collider's work in transferring research projects to the market. Our space at 4YFN reaffirms its role as a key meeting point for scientists and entrepreneurs, where strategic connections are generated through content sessions and networking opportunities."

How AI can improve people's health

One of the experiences showcased at the MWCapital stand at 4YFN is *Every Body Tells a Story*, based on technology developed by portfolio spin-out Ephion Health. This technology was initially developed at the Eurecat technology centre in collaboration with Sant Joan de Déu Hospital and the Sant Pau Research Institute.

Ephion Health translates human movement into biomarkers that enable the precise measurement of a patient's health status. Using sensors that capture data on gait and balance, its artificial intelligence transforms this information into a digital score that objectively and sensitively quantifies a person's health condition.

To date, these biomarkers have enabled the progression of rare neuromuscular diseases, such as Duchenne Muscular Dystrophy (DMD), to be characterised with 91% accuracy, detecting subclinical changes that traditional scales are unable to

identify. This allows the different ways in which patients' bodies compensate for their conditions to be captured, helping professionals make faster, better-informed decisions and personalise treatments. These digital biomarkers can also be used in clinical drug trials, reducing the required patient sample size by 36% and trial duration by 30%, generating significant savings and enabling medicines to reach the market sooner.

During the experience at the stand, visitors will be able to wear the sensors and step onto a treadmill to see the biometric data generated by their body movements. In clinical settings, this data supports patient monitoring and helps healthcare professionals make precise medical decisions.

Deep tech to reduce AI's environmental impact

Through the experience *Cooler Systems, Smarter Future*, based on UniSCool's technology, a pilot project is presented integrating its liquid cooling solution in collaboration with Rittal, Equinix and Castrol to drastically reduce the energy consumption of data centres and AI systems.

UniSCool has patented and developed a cutting-edge thermal management solution, Smart Cool Fins, which uses adaptive cooling fins that dynamically adjust to optimise heat extraction in response to changes in thermal load over time and space. Its cooling system maximises energy efficiency, reducing electricity consumption by up to 70% and achieving thermal dissipation of up to 2.5 kW per chip.

In this experience, visitors will be able to see one of UniSCool's cooling plates installed in a Rittal rack. Next to the rack, a pedestal with a button will allow visitors to print out data on AI's energy consumption, tangibly demonstrating how the spin-out's technology helps reduce environmental impact. The aim is to raise awareness that behind every AI query, image or automated process lie physical systems that consume energy on a large scale, and to highlight how innovation in data centre cooling can make the digital era more sustainable.

MWCapital's technology transfer portfolio at 4YFN26

At 4YFN26, MWCapital is presenting several spin-outs from its portfolio, offering innovative solutions for sectors such as energy and Industry 4.0. They will also have the opportunity to pitch to investors at the Pitching Point Agora Stage on the first day of the event. The Foundation will additionally showcase the European projects in which it has participated over the past year.

The spin-outs that can be visited at the start-up corner of the MWCapital stand in Hall 8.1 (8.1B44) are:

- **Yplasma** – Plasma-based technology to improve aerodynamics, generate heat or provide cooling across different surfaces, with applications in aerospace, automotive, energy and agriculture.
- **UniSCool** – Efficient cooling systems for data centres and telecommunications, reducing energy consumption and costs.
- **Cooling Photonics** – Passive radiative cooling technology that lowers temperature without electricity, contributing to sustainability.
- **Nanochronia** – Nanoscale sensors for real-time gas detection, with applications in industrial safety and energy.
- **Jolt** – A new process for manufacturing extremely robust electrodes for hydrogen and fuel cell markets.

Spin-outs from the healthcare sector can be found in Hall 8.0 (8.0C23):

- **Dipneo** – A compact emergency ventilation device designed for out-of-hospital critical situations.
- **Ephion Health** – Technology that translates human movement into objective data to assess bodily function.
- **Nema Health** – A biotechnology platform for personalised cancer immunotherapies based on neoantigens and DIF peptides.
- **Pharmacelera** – Drug discovery software that builds precise molecular models.

About Mobile World Capital Barcelona

Mobile World Capital Barcelona is a public-private foundation that promotes the digital development of society to build a more inclusive, equitable and sustainable future through a humanistic use of technology. MWCapital contributes to positioning Barcelona as a global benchmark in the digital field and reinforces the legacy of the MWC throughout the year, promoting technology transfer initiatives, the promotion of digital talent and innovative technological projects with a social impact. MWCapital hosts MWC in Barcelona, founded 4YFN, and connects the international developer community through the Talent Arena project.

For more information:

Víctor Solvas · vsolvas@mobileworldcapital.com · + 34 663 201 406
Miriam Piñol · mpinol@mobileworldcapital.com · +34 607 291 659
Clara Pont · cpont@mobileworldcapital.com· +34 600 440 330
Estela López · e.lopez@romanrm.com · + 34 654 741 683
Àlex Palau · a.palaul@romanrm.com · + 34 651 579 415