



ICFO in the CATALONIA stand at Smart City Expo World Congress (SCEWC)

November 07, 2023 to November 09, 2023

FIRA de Barcelona Gran Via Barcelona- Catalonia Stand / D60 del Hall 2

Showcasing the impact and future of Quantum Technologies through an immersive multimedia Demo and a $i\frac{1}{2}$ Quantum Point*\frac{1}{2} with ICFO Spin-off companies*

Visitors to the stand of the Government of Catalonia at the Smart City Expo World Congress (SCEWC) will be able to travel back in time to review the technological discoveries and developments based on quantum physics without which today's digital society would not be possible and, in the same space, discover the impact that photonic and quantum technologies will have in the near future in areas such as communications, mobility and health Fira de Barcelona Gran Via.

Led by the Department of Business and Labor, the '**Catalonia**' stand is a 621m² space **D60 of Hall 2** which includes a 45m² closed demonstration space developed by ICFO, a key player in

the European quantum community. This '**quantum zone**' will be complemented by an annexed space, the 'Quantum Point', where ICFO and ICFO spin-off companies Quside and LuxQuanta will offer information on the research, development and applications of quantum technologies in Catalonia.

The 'demo' consists of an immersive 360 audiovisual experience that will make visitors aware of the transformative potential of quantum technologies and their importance in improving the lives of citizens. The 'demo' invites visitors to explore the past, present and future of quantum physics and discover, through everyday scenes such as an online purchase, the charging of an electric vehicle or the tele-diagnosis of a sports injury, how this innovative field will evolve over the coming years to bring benefits such as ultra-secure and fast communication, medical treatments and diagnoses in real time with revolutionary devices and technologies, and more efficient, sustainable and clean mobility.

In this space, and under the slogan 'Catalonia is ready for the next quantum leap', the Government aims to show the impact that quantum technologies will have on the cities, territories and citizens of Catalonia in a decade, and, at the same time, highlight the pioneering role of the Government, in collaboration with the country's quantum ecosystem, in the promotion and development of innovations in this revolutionary field of technology .