

1 - Specific problem



Healthcare institutions in Central Europe, due to the demographic change, suffer from a considerable undersupply of medical resources—such as infrastructure and equipment— particularly in peripheral and rural areas.

2 - Solution



Microwave imaging employs low-power, non-ionizing radiations and leverages established hardware technology, offering significant potential to address current medical needs in the treatment of neck and breast cancer, as well as in monitoring brain tissues after a stroke.

3 - Change



Fostering the transfer of this innovative technology from universities to SMEs, will enable the development of cost-efficient, portable medical devices for widespread diseases, thereby addressing regional healthcare disparities and promoting territorial economic development.

4 - Transferability



Microwave imaging devices can be easily used in other hospitals and medical centers beyond our partnership, while the close collaboration of industrial and academic partners across Central Europe will help attract skilled young professionals to the region.