



Healthcare & Medical Technologies



**HEALTHCARE
& MEDICAL
TECHNOLOGIES**

The Healthcare & Medical Technologies Sector covers a broad range of technologies, products, equipment and devices. Recent trends underline the principles of Circular Economy - reducing material inputs and resource intensity, greater durability or reusability of healthcare and medical devices.

Relevant sub-sectors include:

- **Assistive technologies:** Homecare and rehabilitation equipment, to assist elderly people or people with reduced functionalities. Devices and prosthetics to assist or train elderly people or people with reduced functionalities.
- **Medical equipment:** Any instrument, apparatus, device or material used in diagnosing, treating and/or preventing of human or animal diseases, thereby excluding the use of pharmacological, immunological or metabolic means.
- **ICT for health:** New or improved equipment might be used for enhancing healthcare, such as miniaturised and cheaper electronics and sensors, high-density memory, micro-electromechanical systems, and novel combinations of existing devices.
- **Telemedicine and remote health monitoring:** Homecare, telecommunication networks, radiographs, pathology freeze frames. Examination, observation and treatment of patients and the training of personnel by utilising telecommunications.
- **Nanotechnology healthcare**
- **Life Science/ Biotechnology for health:** Any technological application that uses biological systems, living organisms or derivatives thereof, to make or modify products or processes for specific use in healthcare; recombinant DNA, cell fusion, and new bioprocessing techniques to

produce large molecules useful in treating and preventing disease.

- **Dental products:** Diagnostic technologies, Preventive technologies, Oral hard tissue disease treatment technologies, Regenerative medical technologies, Dental laboratory technologies.



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