Meotec was founded in 2011 as a spin-off of RWTH Aachen University. The company is engaged in research and development activities at the interface between medical devices and surface technologies. Its core competence lies in the production and electrochemical surface modification of light metals such as titanium, magnesium or zirconium for medical applications. Since 2016, MEO has vertically integrated the whole value chain for the production of resorbable implants manufactured from medical grade magnesium, including casting, forming, milling/turning, coating and packaging of such in a clean room environment. MEO is also engaged in research and manufacturing of functional oxide ceramics for medical devices. In addition to its in-house research activities, MEO offers a broad range of services related to material testing for different customers from medical device technology, automotive or aerospace.

As a science-oriented SME, MEO also participates in numerous publicly funded research projects as well as high-ranked peer-reviewed journal publications in the field of surface coatings, medical technologies, additive manufacturing or bioabsorbable materials.