

ASG Superconductors is an Italian Company and **one of the top players** in the global market when it comes to designing and manufacturing of magnets for several uses: from **high energy physics** to **nuclear fusion applications** and for medical applications with cyclotrons, **Ultra High Field MR magnets** and **MRI scanners.**



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www.mropenevo.com

“ The **MROpen Evo** is our flag ship product in the MRI market and it is the real open-sky supercon system that, with its unique design, provides **the best MRI experience** possible for the patient.



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“ The MROpen Evo, with its magnetic field strength of 0,5 T, uses a **helium free proprietary technology** based on the **MgB2 superconducting wire** and achieved 1,2 million hours of operations on the clinical routine.

“From the operational point of view, helium free means **excluding all the He-related costs and the possibility to switch on and off the magnet for a quench-free safe operations.**”





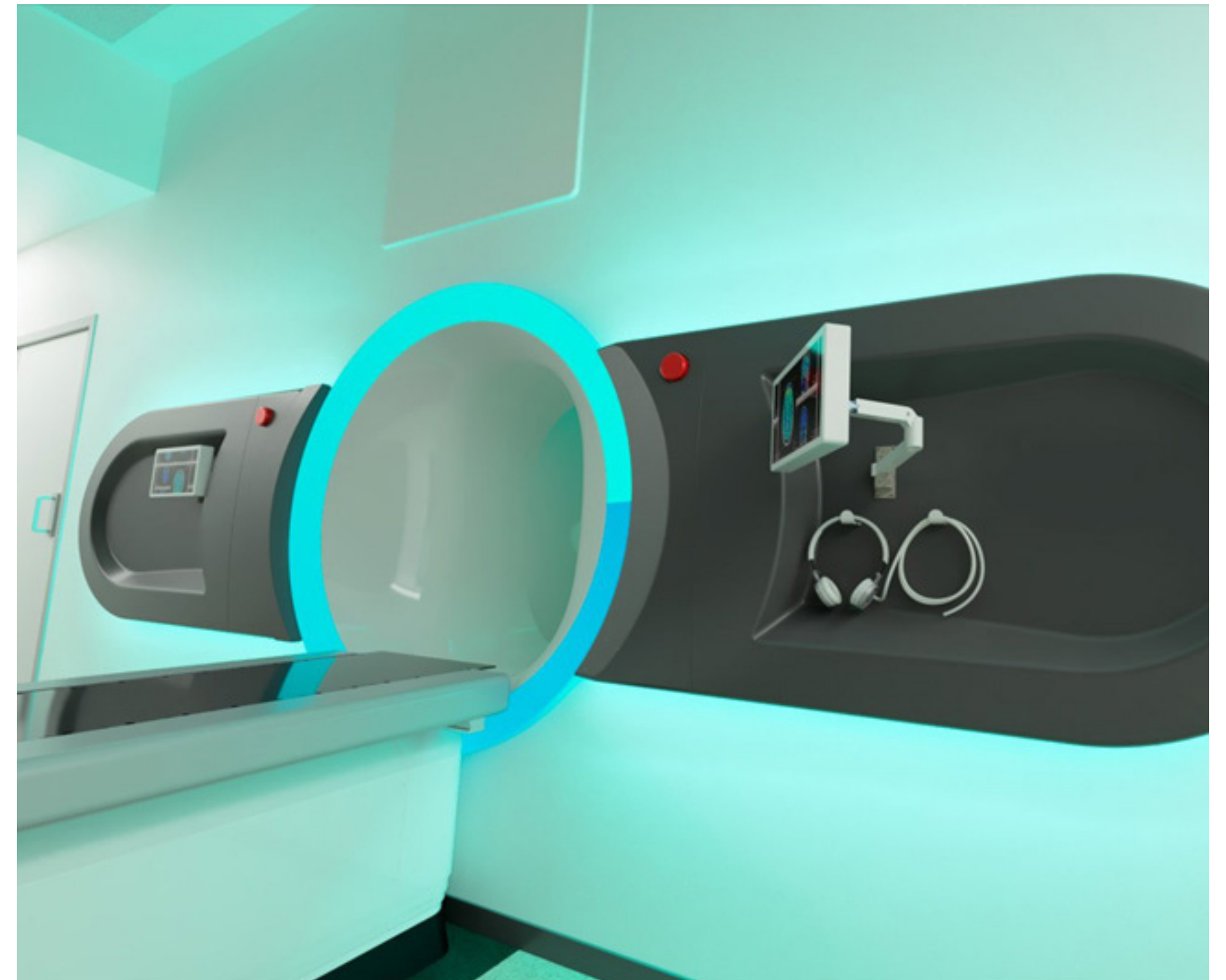
“ Thanks to the **unique design and the extra-wide space**, the MROpen Evo allows the possibility to **scan the patient in different positions: lying down, sitting, bending or standing** according to the patients' symptoms and/or to the clinical issue increasing the patient acceptance and providing a stress-free MRI experience .

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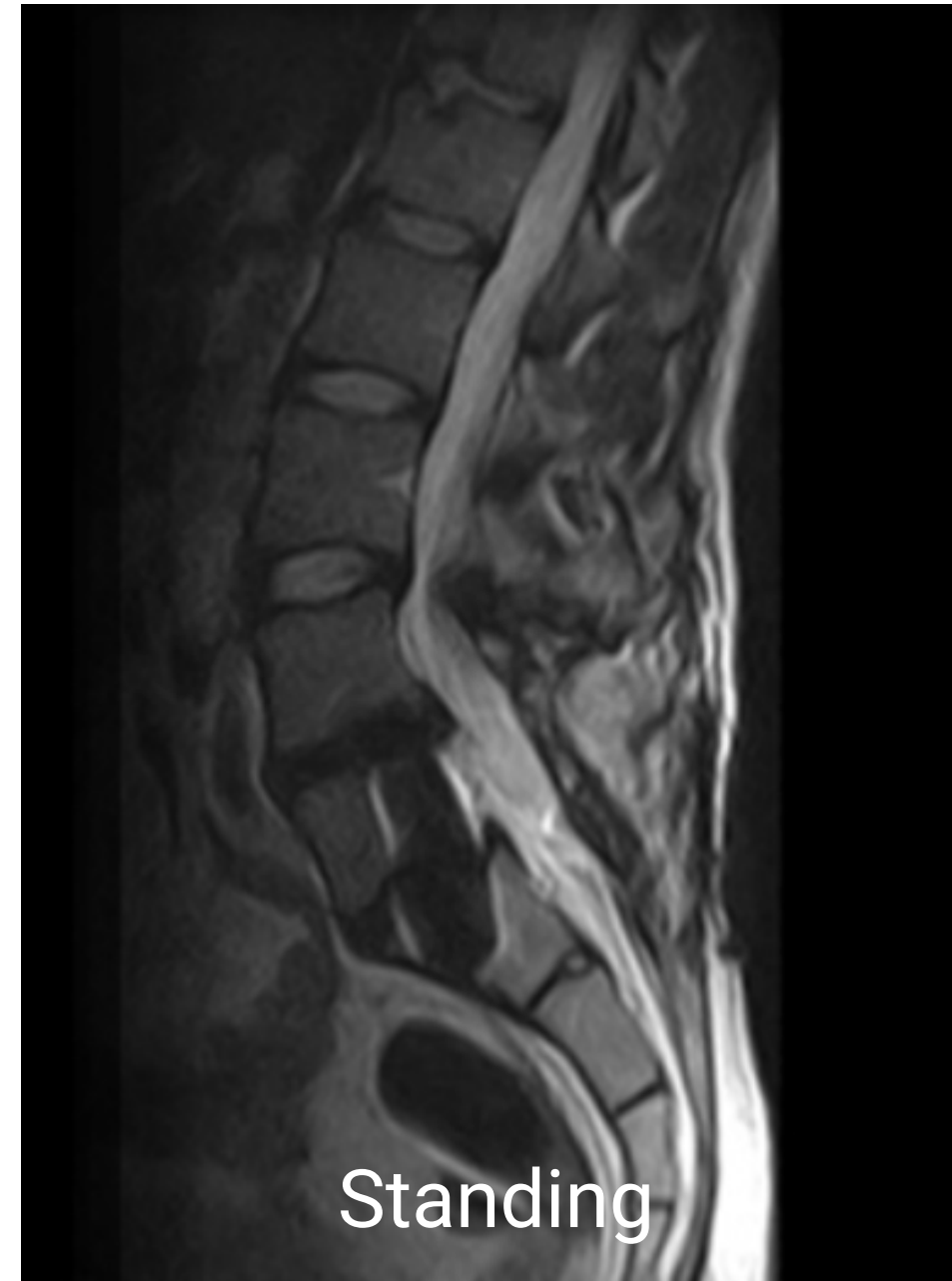
With its versatility MROpen Evo is also the key for a wide range of **clinical studies and researches.**





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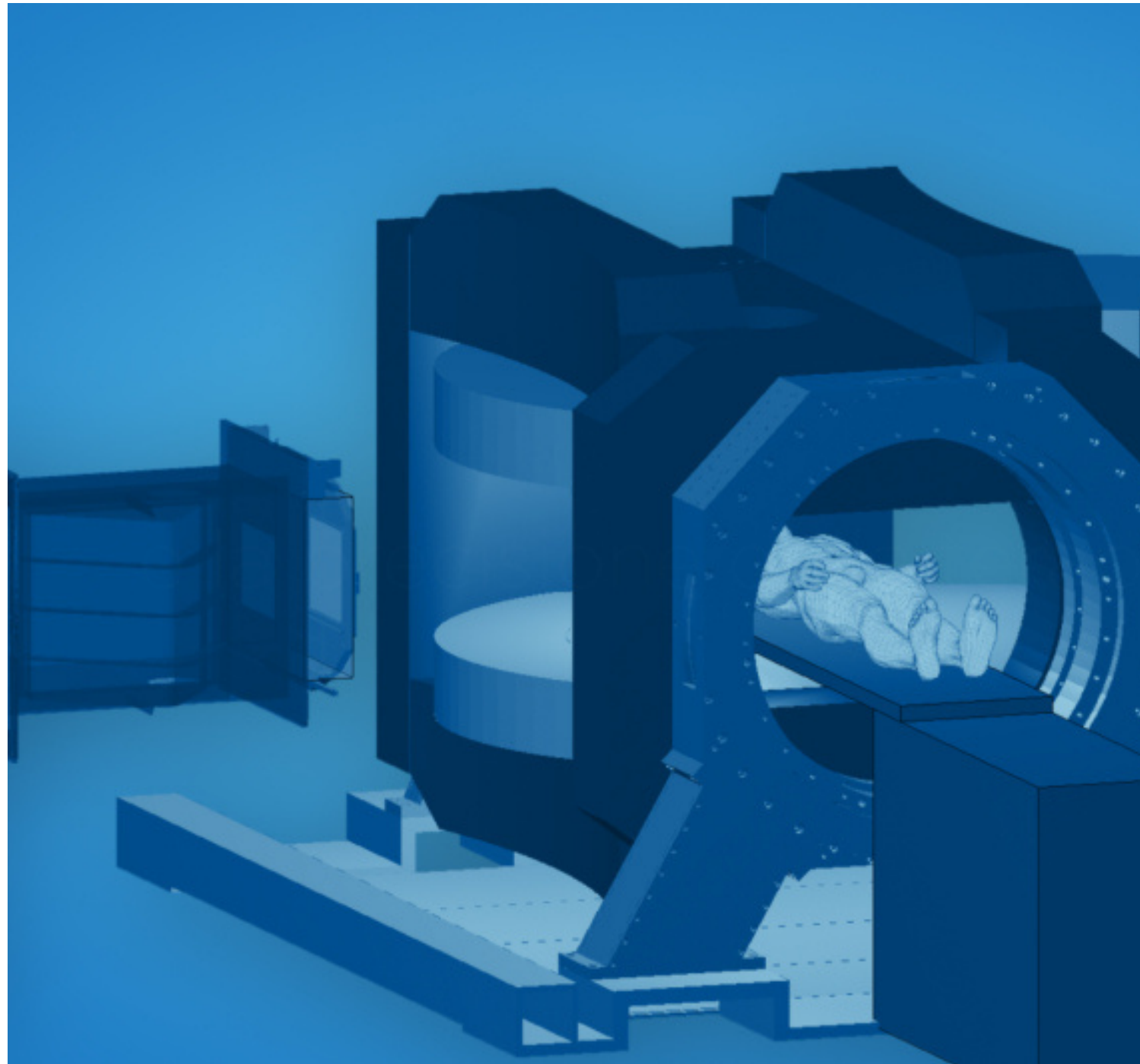
“ Even though the system is proposed as a general purpose scanner, from the clinical point of view, the **Weight Bearing** together with the **Multiposition imaging** are changing the clinical approach towards the treatment of several pathologies of the **Spine, Joints and lower abdomen**.



An earlier detection providing a **more accurate diagnosis** and a clinical evidence to the clinician or to the surgeon improves, in the end, the patient outcomes.

“ The peculiarities of MROpen Evo and the possibility to scan the patient in unusual and weight bearing position are giving to several **Universities and Research Centres worldwide the possibility to see the response of the human body to intense biomechanical stress** reproducing, for example, the cockpit of a F1 car or, in the case of the European Space Agency, testing a special skin suit for astronauts that reproduce the intervertebral discs compression in absence of gravity.





“ The same technology platform with a different configuration and **combined with a Linac accelerator** is used in Radiotherapy by MagnetTx to **guide the treatment in real time** or, **combined with fixed proton beam**, for the first **proton therapy project** by the Helmholtz Zentrum in Dresda.



For all these different aspects we are convinced that the MROpen Evo plays an important role in the low-mid field market for those customers wanting **to stand out from all others MRI providers** and explore different niches with unmet needs from the clinicians.





If I want to summarize the MROpen Evo
in 5 words these are:

**Patient, Design, Technology, Multi-
position, Versatility.**

