



# Reimagine the way you experience MRI

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Corporate Deck Feb 2024





Magnetica unlocks opportunities for enhanced clinical diagnostic imaging services closer to the patient point-of-care.

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**We are changing the way professionals,  
and their patients, experience MRI.**





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## Magnetica is redefining magnetic resonance imaging technologies.

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We are innovating to deliver application-specific MRI solutions.

Our specialties include compact superconducting MRI systems and MRI sub-systems.

## Compact MRI systems and sub-systems specialties.

Spanning over 40 years, Magnetica's evolution has culminated in a unique set of capabilities and market offerings.

**A.**

**Pre-merger (2021):**

Specialist manufacturer of high-performance superconducting magnets, spectrometers, RF coils and gradient coils.



**B.**

**Post-merger:**

New innovations and capabilities, software applications, sequence development, systemization, and regulatory compliance.



**C.**

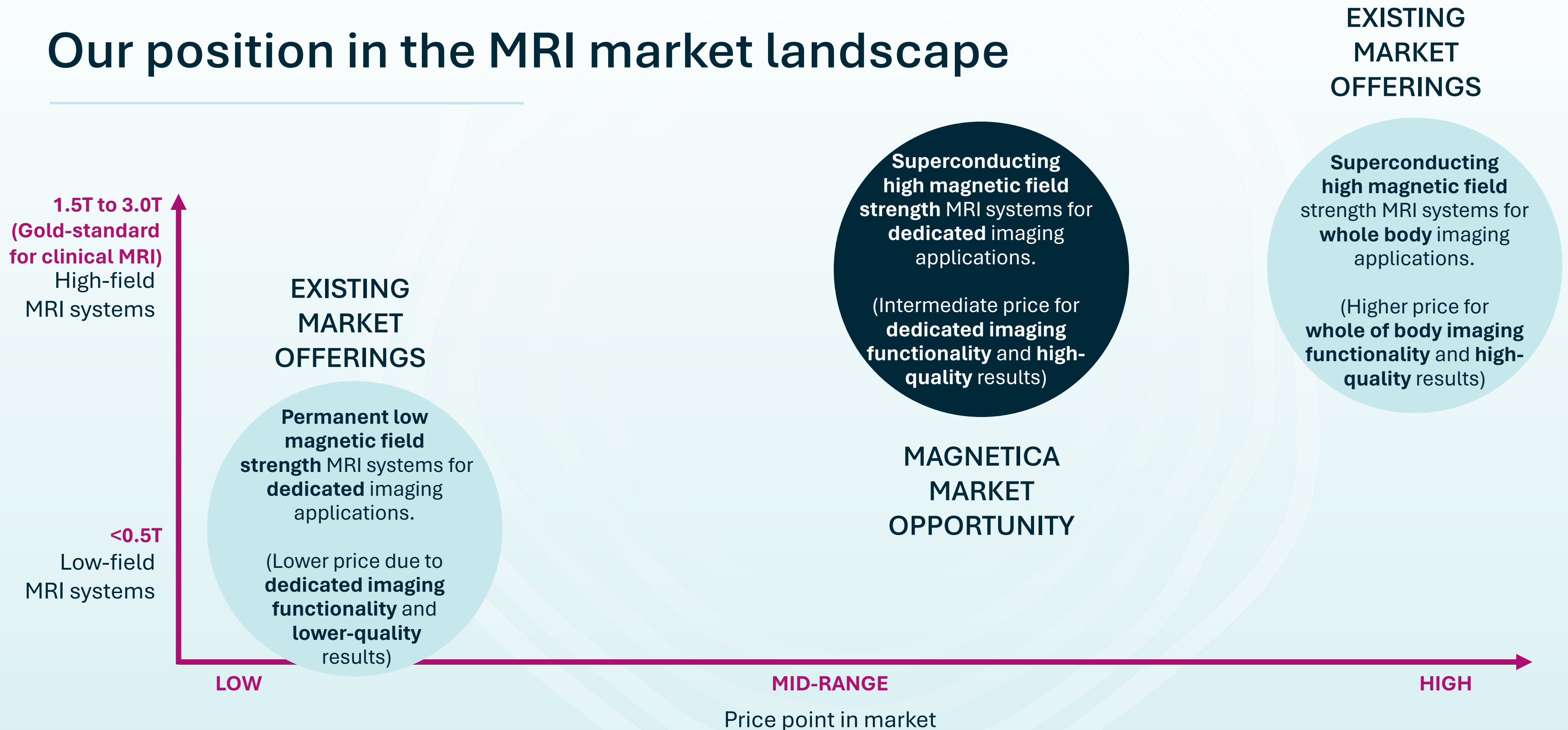
**Original Equipment Manufacturer of:**

World-first compact 3T MRI systems, optimised for dedicated diagnostic imaging applications.



# MARKET OPPORTUNITIES

## Our position in the MRI market landscape

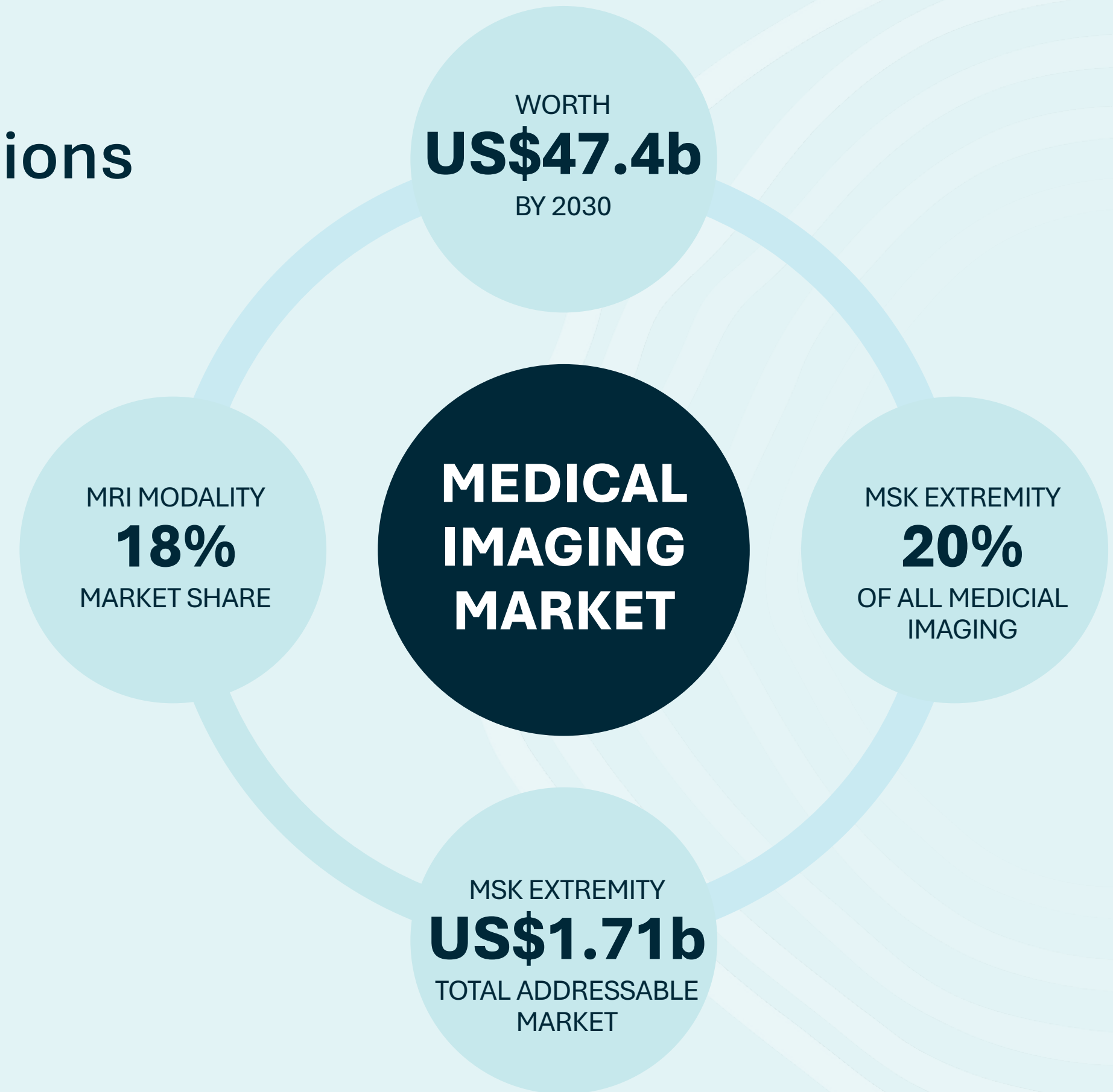



# USE CASES

## Initial and future market applications



DEDICATED IMAGING APPLICATIONS: CLINICAL	DEDICATED IMAGING APPLICATIONS: OTHER
BREAST	VETERINARY: SMALL COMPANION ANIMAL
MUSCULOSKELETAL EXTREMITY	
NEO-NATAL	INDUSTRIAL: MATERIALS PROCESSING
NEURO / HEAD	
PROSTATE	





**Introducing the world's first  
3T compact MRI system for dedicated  
MSK extremity imaging...**

# MSK 3T: MRI REIMAGINED





## PRODUCT FEATURES

# Flexible & configurable for dedicated clinical imaging applications

**Pictured configurations suitable for imaging:**  
- elbow, wrist, hand/fingers (upper MSK extremities); and  
- knee, ankle and foot/toes (lower MSK extremities).

Compact, helium-free design reduces environmental impact and the need for extensive infrastructure modifications



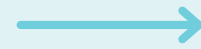
Versatile positioning options increase patient comfort and resolve issues caused by claustrophobia



2-stage reclinable chair facilitates optimal limb placement and patient support in both seated and supine positions



Free-standing, lightweight, repositionable ottoman



Castors allow patient chair to be easily rolled into position. Brake pedals lock device into place for safety.



# MSK 3T: the key to elevating patient care & diagnostic outcomes

Magnetica Ltd's patient-first approach to MRI provides a more comfortable, inclusive and accessible experience at all touch points and use cases. Our technology enables **advanced imaging closer to the patient point-of-care.**



## Patients

Improved clinical experience – Our dedicated imaging systems are comfortable, quieter and non-claustrophobic.



## Clinicians

3T high-quality MSK extremity imaging of elbows, wrists, hands, knees, ankles and feet. Opportunities for advanced diagnostic imaging in sports, remote, disaster and defence settings.



## Administrators

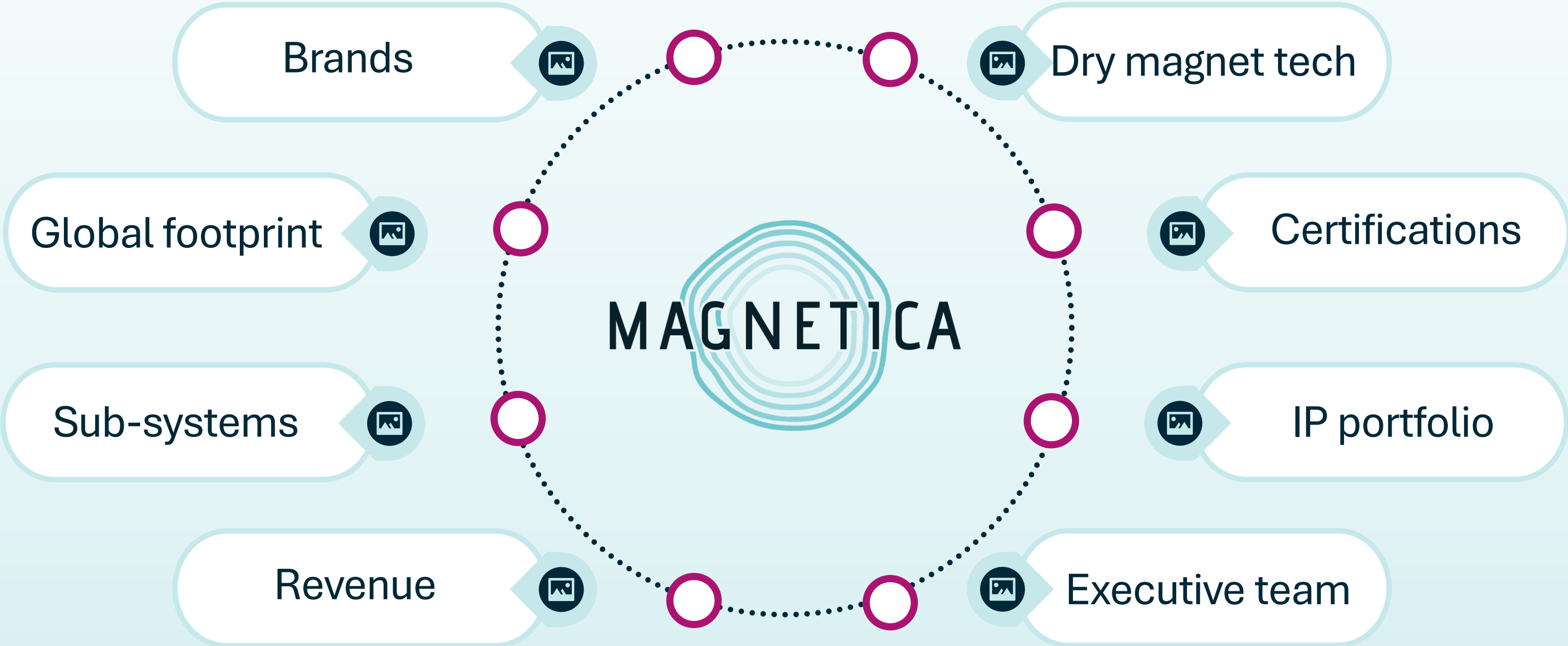
Lower purchase, installation, operation and treatment costs.  
Higher patient throughput.  
Optimised clinic efficiency. Balance workload across MRI systems.



## Industries

We are enabling a world where accurate and compact MRI Systems unlock opportunities for enhanced clinical diagnostic imaging services close to the patient point-of-care.

# The Magnetica foundation for growth



## Magnetica's market presence and access

A public unlisted Australian company, Magnetica's head office is in Brisbane. Wholly-owned subsidiaries Scientific Magnetics Ltd and Tecmag Inc.

Post merger, with business units in three continents, the company has evolved to become an established MRI System Original Equipment Manufacturer (OEM).



World leader in cryogen-free superconducting magnets. Designer of superconducting magnets.



Spectrometers for MRI and Nuclear Magnetic Resonance (NMR) applications.



Compact and light-weight MRI systems for dedicated imaging applications, gradient and RF coils.



A public listed UK company, Avingtrans PLC is Magnetica's majority shareholder.

# Magnetica across the globe



**40+**

Years of experience  
spanning three  
companies



**003**

Continent global  
presence



**60+**

Employees  
worldwide



# SUB-SYSTEMS

## Existing sub-system products currently in market

### SUPERCONDUCTING MAGNETS



### SPECTROMETERS



### GRADIENT COILS

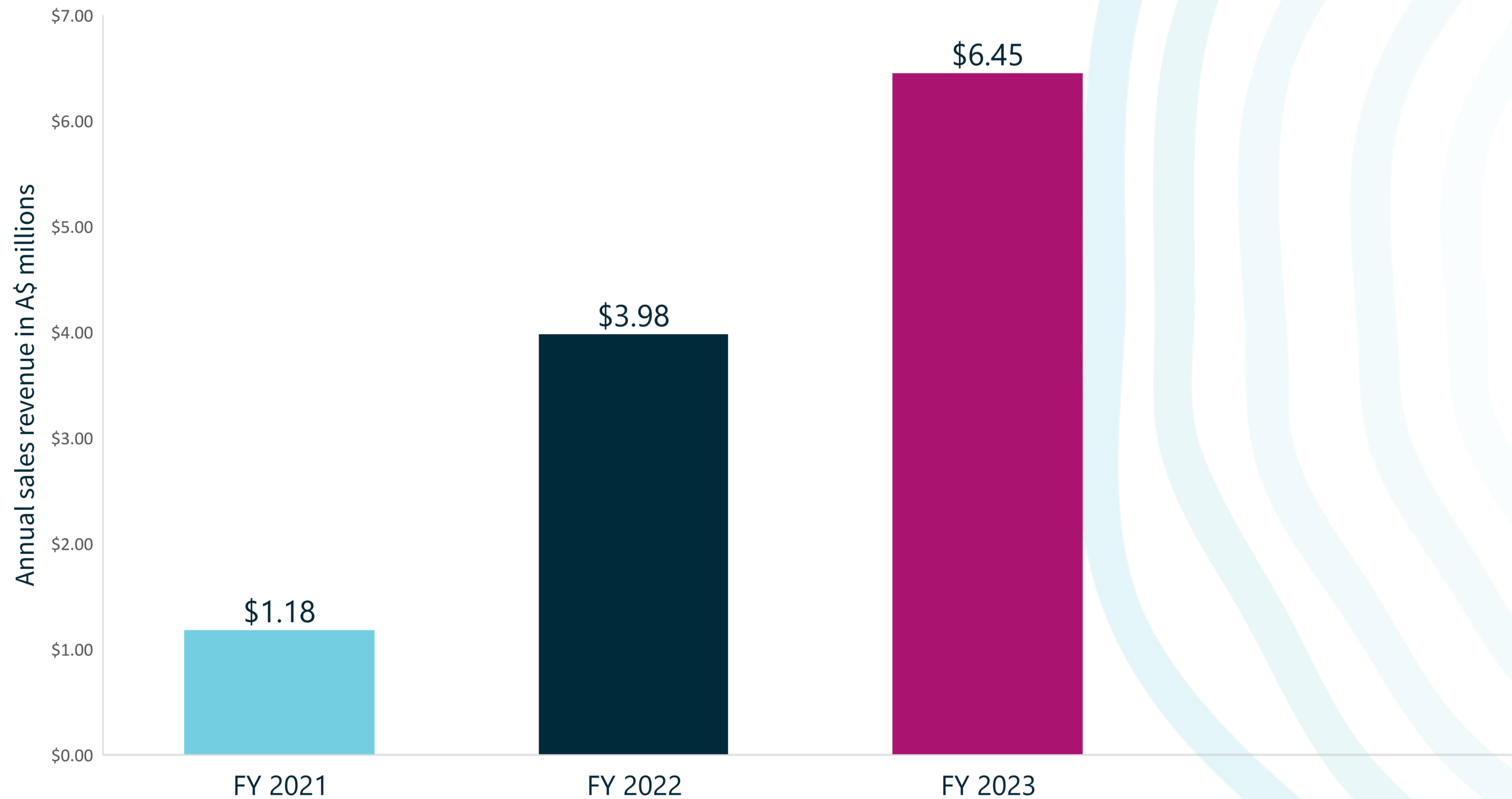


### RF COILS



3T Head RF Coil for TMS-fMRI studies\*  
\*NB this is a EU Class 1 medical device

# Magnetica's consolidated sales revenue since merger in 2021



## Sustainability matters

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Helium is the only element on the planet that is a completely non-renewable resource. Helium is becoming scarce and as such, its price continues to increase.

Superconducting magnets are at the heart of all high-field MRI systems. Almost all superconducting magnets in clinical-use applications today use significant amounts of liquid helium (LHe) to keep the magnet at the cryogenic temperatures required to enable the magnets to work.

**Our innovative dry-magnet technology removes the need for any LHe**, ensuring our market offerings have a **reduced environmental impact and total cost of ownership** throughout their operational life.

# Certified systems and process

Backed by a growing suite of certified management systems, Magnetica proactively strives to maintain superior compliance management and regulatory excellence globally.

## MAGNETICA

AUS

- 2018:
  - ✓ ISO 13485\* compliant QMS  
*(Quality Management System)*
- 2023:
  - ✓ GDPR compliant
- 2024:
  - ✓ ISO 27001 compliant\*\* ISMS  
*(Information Security Management System)*
- Legal manufacturer for medical devices

## SCIENTIFIC MAGNETICS

UK

- 2005:
  - ✓ ISO 9001 complaint QMS
- 2022:
  - ✓ ISO 13485 compliant QMS
  - ✓ GDPR compliant

## TECMAG

US

- 2022:
  - ✓ ISO 13485 compliant QMS
- 2024:
  - ✓ GDPR compliant

EN ISO 14971 utilised for product realisation risk management

\* ISO 13485 is a QMS standard for medical device organisations

\*\* Certification pending



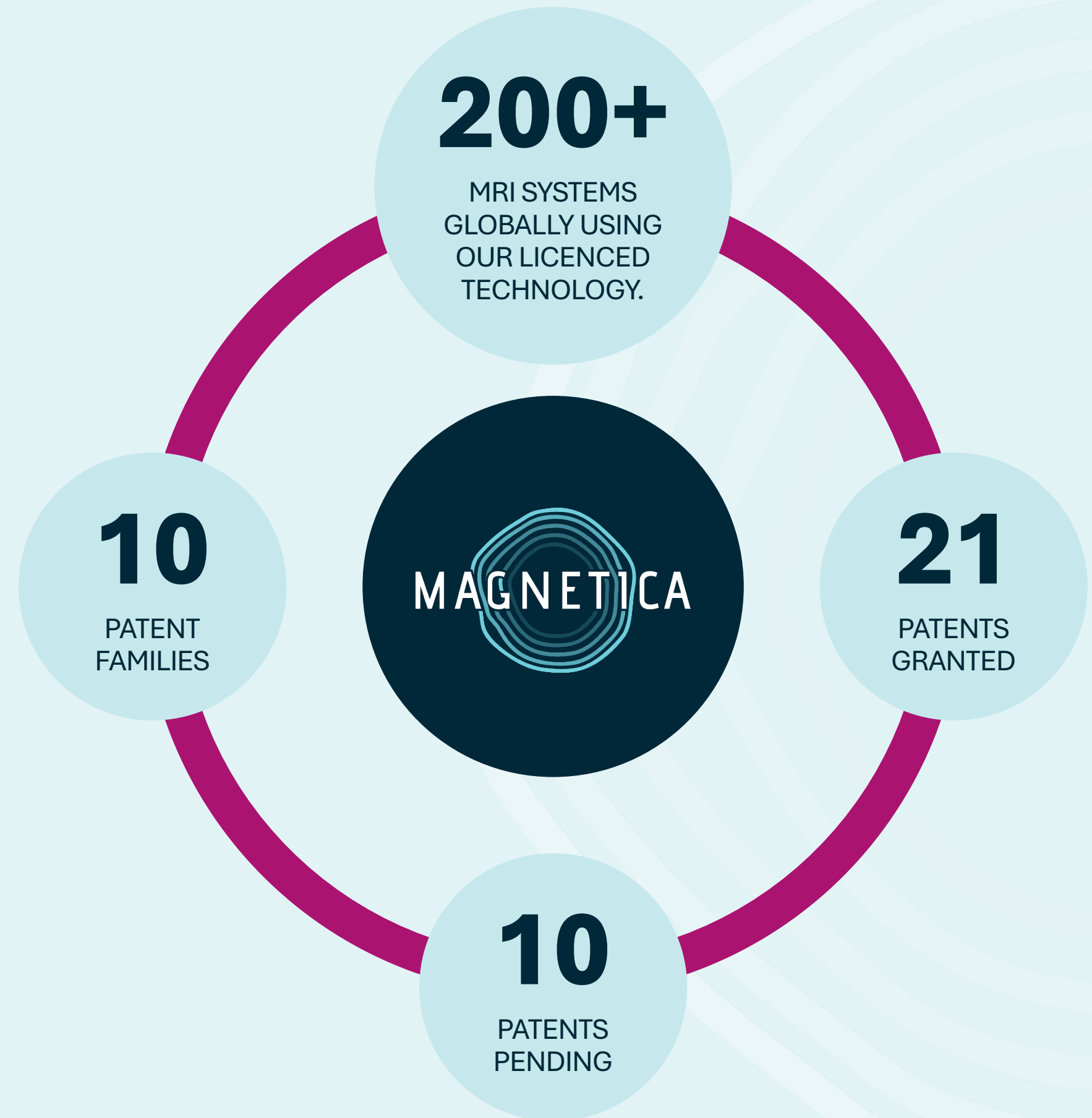
## Magnetica's strong IP Portfolio

Magnetica Ltd has a growing IP (intellectual property) portfolio of patents and trade secrets.

As an industry disruptor, Magnetica has transformed many technologies, leading to the current and evolving product range. Continued advancement is augmented by the creative mindset, and expansive skillset across our global team.

We continue to add to our IP portfolio through our new and ongoing innovations.

Magnetica was the brainchild behind the 1.5T cryogen-cooled magnet used in the celebrated GE Healthcare Optima MR430s MRI system.





## Trusted leadership team

Our experienced and celebrated leadership leading a global team of 60+ highly skilled personnel.



**Mr Duncan Stovell**  
MD and CEO  
AUSTRALIA



**Mr Clint Gouveia**  
COO and CTO, MD SciMag  
UK



**Mr Antonio Augello**  
General Manager – Business  
Development  
ITALY



**Dr Sara Eastwood**  
General Manager - Australia  
AUSTRALIA



**Mr Carl Glass**  
General Manager, Tecmag  
USA

# 2024 FDA application and beyond

As we head toward the final stages of preparation for US market entry, Magnetica has been focused on key activities, to prime the market for our launch.



## Marketing

Strengthening brand awareness,  
Capturing and qualifying leads



## Networking & PR

Attending & exhibiting at key industry  
events (ESSR, ISMRM, ISS, RSNA, SSR)



## Capital sales model

Initial commercial engagement. Future  
options for lease or pay-per-scan models



## Distribution model

...for Sales and Service adopted for  
larger markets (US, EU)



## US Distribution

Signed first distribution agreement with  
Televere Systems in the US



## Prototype launch

First public launch of prototype MRI  
system at RSNA 2023



## FDA application

Final stages product development ahead  
of 510(k) submission to US FDA



## New premises

Magnetica and Tecmag relocated, in  
readiness for production scale up/growth



## **MSK 3T: Next Generation Extremity MRI System Technologies.**

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Changing the way the world engages  
with MRI.



[Magnetica.com](https://magnetica.com)