

MAGNETOM Flow.Elite

Empowering you.

[siemens-healthineers.com/flow](https://www.siemens-healthineers.com/flow)



**SIEMENS**  
Healthineers

# MAGNETOM Flow.Elite<sup>1</sup> Empowering you.

Making better use of our planet's finite resources to meet the needs of our world's growing population is the defining challenge of our time. And finding sustainable solutions for high-end healthcare is at the very heart of this challenge.

Right now, care providers are struggling to meet the growing demand for high-quality MRI in the face of a global shortage of skilled workers. And the increasing pressure on today's imaging care workflow is making it harder and harder for you to deliver the speed, comfort and quality of care you know patients expect and deserve.

The need for cutting-edge innovations to empower you has never been more urgent.





Our next-generation 1.5T MAGNETOM Flow Platform with 70 cm is designed for a new sustainable era of AI-powered and helium-independent<sup>2</sup> MRI.

It will empower you with unmatched workflow simplicity, elevated patient experience and AI-enhanced imaging for highest-quality results.

**Our most sustainable MRI**

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**Intelligently simplified workflow**

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**Unrivalled clinical excellence**

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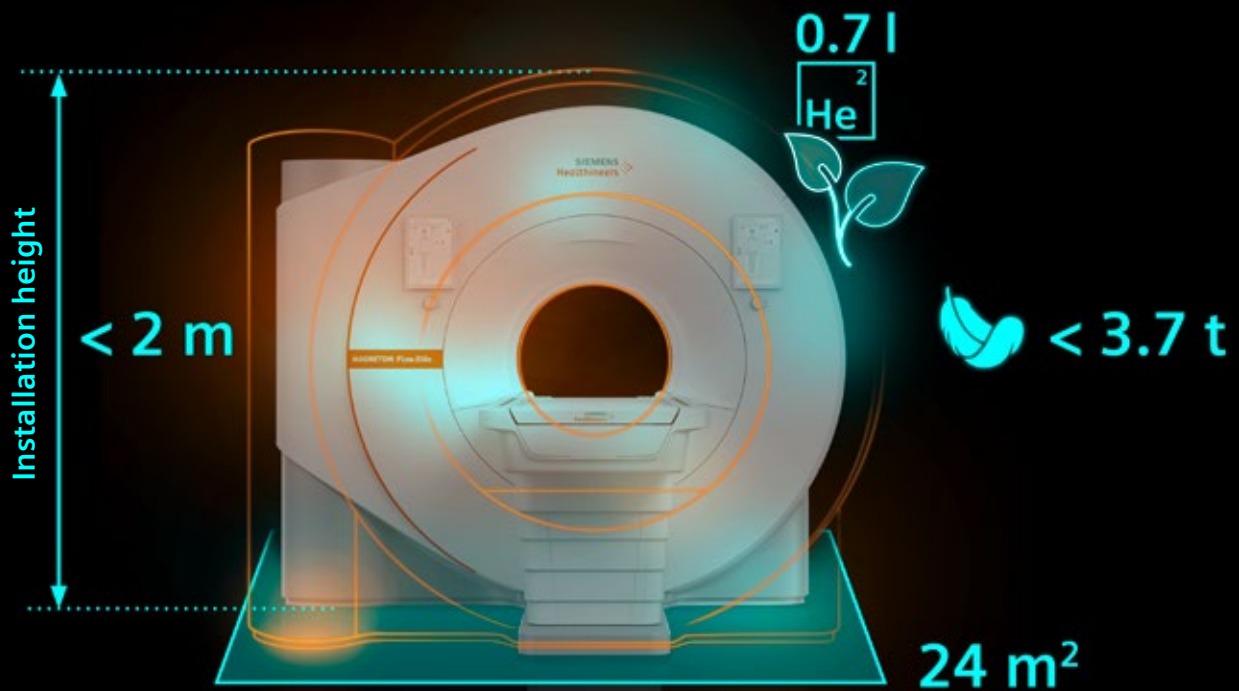
**Ready for the future**

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# Our most sustainable MRI

MAGNETOM Flow.Elite will bring helium-independent 1.5T scanners based on our DryCool technology. With only 0.7 l of liquid helium, the sealed-for-life magnet design will mean no helium refills are needed. This will be a truly sustainable solution with freedom from helium.

MAGNETOM Flow.Elite with no quench-pipe and an ultra-compact footprint of only 25 m<sup>2</sup> will empower healthcare providers with a more cost-effective siting possibility. This will open new opportunities to deploy and site new scanners to meet the increasing demand for MRI.



Helium-independent infrastructure



Increased siting flexibility

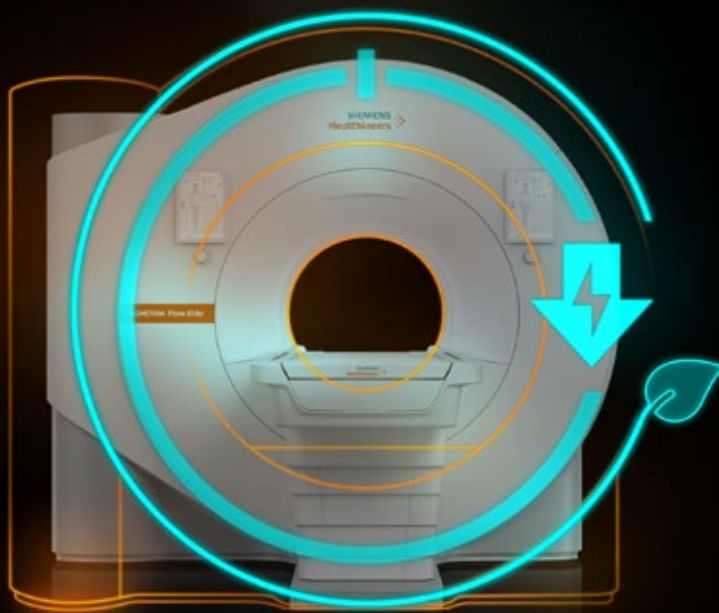


Reduced installation cost

## Our most energy-efficient 1.5T MRI

As pioneers in energy saving solutions in MRI, we make it easy to be sustainable. The smart system timer will ensure a smooth start in the morning without delay.

Overall, MAGNETOM Flow.Elite will bring 45–56% energy saving annually<sup>3</sup> compared to previous generations.



Eco Power Mode Pro



System Start-Up Timer



Eco Gradient Mode



Deep Resolve

### Maximize energy efficiency with Eco Power Mode Pro

Our innovative Eco Power Mode Pro is designed to maximize energy efficiency by significantly reducing the total energy consumption of your system at every operational stage. Achieve up to 21%<sup>4</sup> savings in total

system energy consumption compared to a standard MAGNETOM Flow.Elite without Eco Power Mode Pro. Experience unparalleled sustainability and cost-efficiency.

# Intelligently simplified workflow

## BioMatrix Contour coils

Discover the new benchmark in MRI patient comfort, positioning and imaging performance with our revolutionary BioMatrix Contour coils.

Designed to accelerate your workflow from start to finish, our pioneering ultra-lightweight coils provide blanket-like body coverage for superior imaging results – and enhance everybody’s MRI experience with unrivaled comfort, intelligence and flexibility.



## Our unique BioMatrix Contour coils

Comfortable. Intelligent. Flexible.

- With integrated sensor technology
- Available in 4 sizes

MAGNETOM Flow.Elite enhances patient comfort with **ComfortRest**, an additional mattress for better support, and inbore MoodLight for a more relaxing MRI experience.

#### Patient side workflow

Patient registration, positioning, and sequence start are designed to be performed right at the patients' side, this will give operators greater efficiency and more time to focus on patient care.



### ComfortSound, our unique wireless audio system

ComfortSound, our unique wireless audio system integrated into our BioMatrix head/neck coil for easier setup and improved sound experience during MRI exams.



## myExam Companion

Intelligence that works with you.

myExam Companion breaks down the barriers of complex MRI operations using a new philosophy on how to operate MRI. It leverages the new possibilities of digitalization and AI, to turn data into integrated expertise and tailored assistance which benefits the user and address the clinical question.

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**myExam Autopilot**  
Automate intelligently



myExam Autopilot delivers a fully automated scan workflow with a streamlined interface for faster, easier MRI exams.

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**myExam Assist**  
Flexible and guided



myExam Assist streamlines scanning with smart automation while allowing full workflow customization.

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**myExam Implant Suite**  
Scan reliably

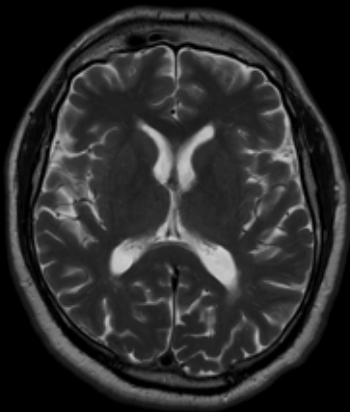


With myExam Implant Suite<sup>5</sup>, users can safely scan patients with MR Conditional implants by setting specific limits.

# Unrivaled clinical excellence

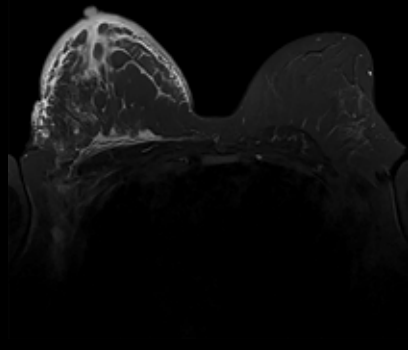
MAGNETOM Flow.Elite is designed to deliver highest-quality imaging for every clinical discipline. From routine imaging and screening to advanced imaging, from head to toe and from cardiac to oncology cases, it is planned to adapt to a wide range of imaging needs.

## Core exams



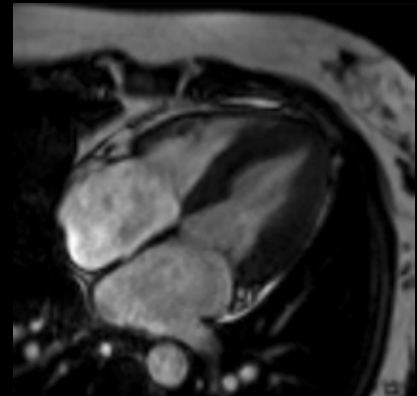
Growing imaging demands

## Oncology



Rising cancer cases

## Cardiology



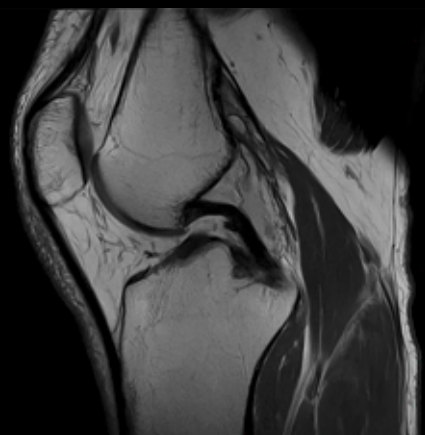
Increasing indications for CMR

## Empowering speed and productivity with planned Deep Resolve 2D and 3D

Deep Resolve is at the forefront of the revolution in MRI acceleration. Our advanced algorithms for noise reduction and high-resolution MRI are specifically tailored for maximum productivity.



PD TSE  
PAT 4, **Deep Resolve**  
0.1 × 0.1 × 3.0 mm<sup>3</sup>  
TA 01:01 min



T2 SPACE  
CAIPI 2, **Deep Resolve**  
0.25 mm iso  
TA 02:07 min

IDTaaaa5194, 1aaaa4820

## Unlock a new dimension in MRI image resolution and speed

Regardless of the type of institution, throughput demand, or clinical specialty, MAGNETOM Flow.Elite will empower you to achieve clinical excellence.

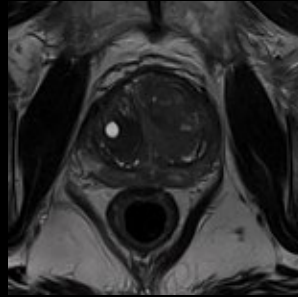
Find more clinical cases here



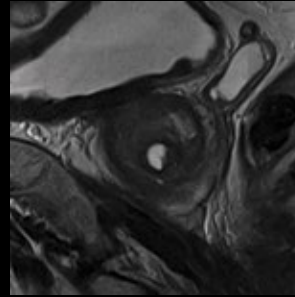
Study-ID: 1aaaa5213



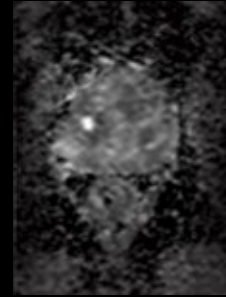
T2 TSE  
**Deep Resolve**  
0.3 × 0.3 × 3.0 mm<sup>3</sup>  
TA 0:48 min



T2 TSE  
**Deep Resolve**  
0.3 × 0.3 × 3.0 mm<sup>3</sup>  
TA 2:12 min



T2 TSE  
**Deep Resolve**  
0.3 × 0.3 × 3.0 mm<sup>3</sup>  
TA 0:45 min

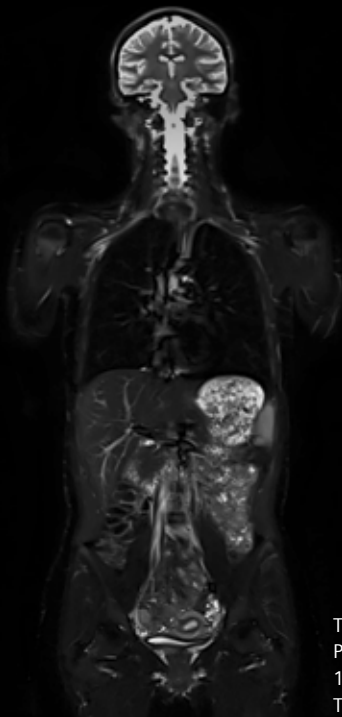


ZOOMit<sub>PRO</sub>, calc b1400  
**Deep Resolve**  
0.9 × 0.9 × 3.0 mm<sup>3</sup>  
TA 1:56 min

## From head to toe – from oncology to advanced cardiac imaging

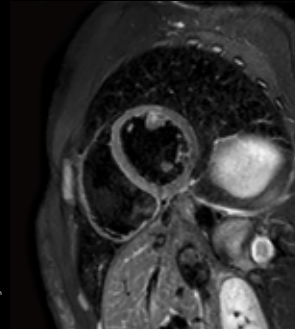
MAGNETOM Flow.Elite is the right system for your clinical needs.

Study-ID: 1aaaa5316

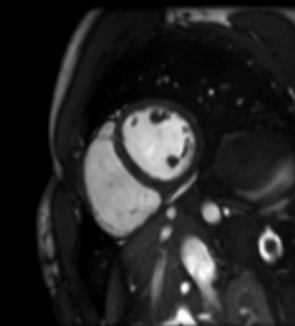


T2 HASTE STIR  
PAT 3  
1.2 × 4.6 × 7.2 mm<sup>3</sup>  
TA 9:56 min

Study-ID: 1aaaa5329



T2 TSE Dark Blood  
**Deep Resolve**  
0.7 × 0.7 × 6.0 mm<sup>3</sup>  
TA 0:09 min / slice



CINE  
1.6 × 1.6 × 8.0 mm<sup>3</sup>  
TA 0:09 min / slice

# Maximized operational efficiency

While you focus on caring for your patients, we stay connected to care for your MRI for maximized operational efficiency.

Through innovative service from Siemens Healthineers, such as the preventive intelligence of our Guardian Program, we solve technical issues before downtimes occur.

## Hybrid learning

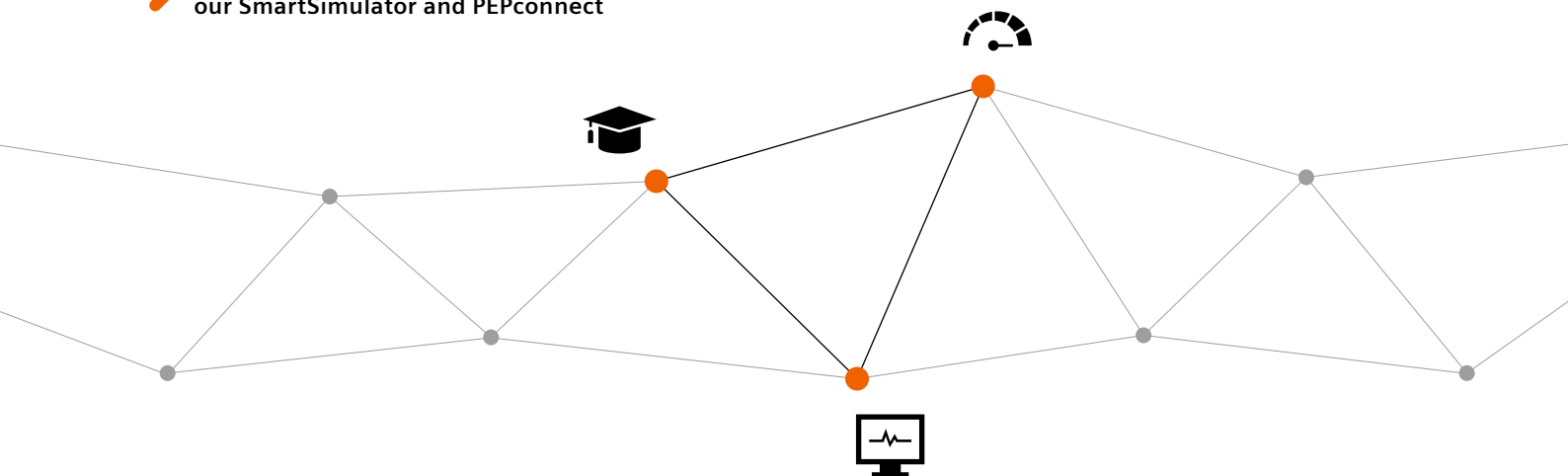
- Optimal mix of online and onsite trainings within tailored application support based on your needs
- With **SmartSimulator** – the virtual connection to a hands-on scanner experience even before the system is installed
- With **PEPconnect** – the industry’s first personalized online education and performance experience

➤ Scanning from day 1 due to our SmartSimulator and PEPconnect

## Automatic updates

- Our **Advance Plans** keep systems cybersecure and highly efficient through automatic updates and upgrades – the service plans for medical equipment in the digital era

➤ 24/7 service supporting you to maximize efficiency



## Proactive monitoring

- Real-time system monitoring of all critical components with **Guardian Program** and **CoilCare**
- Detects and corrects errors before they even occur

➤ Digitalization and data to ensure maximum system uptime

## **Not for distribution or use in the U.S.A.**

MAGNETOM Flow.Elite is not commercially available in all countries. Due to regulatory reasons, its future availability cannot be guaranteed. Please contact your local Siemens Healthineers organization for further details.

On account of certain regional limitations of sales rights and service availability, we cannot guarantee that all products included in this brochure are available through the Siemens Healthineers sales organization worldwide. Availability and packaging may vary by country and are subject to change without prior notice.

The information in this document contains general technical descriptions of specifications and optional features which do not always have to be present in individual cases.

Siemens Healthineers reserves the right to modify the design, packaging, specifications, and options described herein without prior notice. Please contact your local Siemens Healthineers sales representative for the most current information.

In the interest of complying with legal requirements concerning the environmental compatibility of our products (protection of natural resources and waste conservation), we may recycle certain components where legally permissible. For recycled components we use the same extensive quality assurance measures as for factory-new components.

Any technical data contained in this document may vary within defined tolerances. Original images always lose a certain amount of detail when reproduced.

<sup>1</sup> MAGNETOM Flow.Elite is currently under development and not commercially available. It is not for sale in the U.S.A. Its future availability cannot be guaranteed.

<sup>2</sup> 0.7 l of liquid helium.

<sup>3</sup> Data on file. Results were achieved by Siemens Healthineers using both standard and optional features. The values are based on a comparison between the MAGNETOM Flow. Platform with energy-saving features and Deep Resolve, and the corresponding predecessor system without the relevant energy-saving features activated. There can be no 'typical' hospital setting (case mix, system type, etc.) and so results by users may vary with no guarantee that the same results can be achieved.

<sup>4</sup> Data on file.

<sup>5</sup> Please refer to your Instructions For Use manuals for contraindications, warnings and cautions before scanning patients with implants.

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