Challenges in medical imaging

Healthcare is changing: An intensifying demographic shift, the rise of chronic diseases, patients turning into consumers, the pace of innovation, and a broader access to medical imaging across the globe lead to a constantly growing number of examinations, including MRI. At the same time, this development raise central questions for healthcare providers and industry alike:

- How to manage volume growth with limited resources?
- How to control costs without compromising quality of care?
- How to expand services in both established and growing markets?
- How to strive for clinical excellence in the interest of patients despite economic restraints?

Opportunities for growth

Siemens MR provides answers to these questions. The right technology, software, and clinical application portfolio will help you turn these challenges into opportunities. The unique combination of Tim® 4G and Dot®, our Trendsetting Applications, and Life Design make MAGNETOM® Aera an top-of-the-line MRI solution for you to address the changing requirements in healthcare today.

Your Business Case.

Maximize 1.5T. Every case. Every day.

- Deliver exceptional quality and speed in MRI.
  With Tim 4G.
- Go for consistent results, efficiently.
  With Dot and DotGO®.
- Expand your MRI services.
  With Trendsetting Applications and Maximized Patient Satisfaction.
Exceptional image quality and speed, consistently.

The clinical and business demands for faster, more productive, and economically attractive cardiac MRI are rapidly changing. With the growing demand for high-quality care, innovative workflow solutions and technological advancements, the need for a new cardiac MRI system that can transform your workflow and deliver a unique MRI experience is more urgent than ever.

With the introduction of the Cardiac Dot Engine, we have been able to achieve a new level of performance and efficiency. The Dot Engine is designed to provide exceptional image quality and fast acquisition times, enabling you to perform more exams within the same time period.

Expand your MRI services. With Trendsetting Applications.

With an expanding demographic of both private and broader access to healthcare on one hand, and the need to reduce costs in the other, cardiac MR is a growing area of interest.

Cardiac MRI is a key component in the cardiovascular assessment of patients, allowing for a comprehensive evaluation of heart function and structure. By performing cardiac MRI exams, healthcare providers can gain valuable insights into patient health.

With the Cardiac Dot Engine, we have developed a unique and innovative solution that combines exceptional image quality with fast acquisition times, enabling you to perform more exams within the same time period. This allows for a more efficient workflow and increased productivity.

Maximize patient satisfaction. With Design Life.

Life in Design is Siemens’ MRI design philosophy. Our guiding principle is that MRI development has to enhance the design and workflow of the entire hospital. In creation of a patient-friendly environment, we always make sure that the design of our MRI systems will have positive implications for patient care and staff satisfaction.

The maximized patient comfort and efficient patient workflow of Aera is our commitment to complete multidisciplinary care. Aera is a unique level of patient care that enables 100% of the staff to perform cardiac MRI exams. The system is designed to provide a comfortable and efficient environment, with a focus on patient and staff satisfaction.

Minimize lifecycle costs. With Life Design.

With Life Design, we focus on meeting the needs of your institution in the best possible way. Our goal is to make your mission possible and ensure that your needs can be met.

Invest in a future-proof system that will help you to optimize your lifecycle costs. With MAGNETOM Aera, you can minimize costs while maximizing your MRI experience. With individualized performance plans that ensure an optimal balance between performance and financial return, you can rest assured that your investment will be protected.

Launch our platform for more information.4
MAGNETOM Aera

Your Business Case

www.siemens.com/aera

Answers for life.

Leading.

With MAGNETOM.

Not for distribution in USA.
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 sales organization worldwide. Availability and packaging may vary by country and are subject to change without prior notice. Some/all of the features and products described herein may not be available in the United States. Some products are still under development and not commercially available yet. Their future availability cannot be ensured.

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

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

Please find fitting accessories: siemens.com/medical-accessories

1 Currently under development; not for sale in the U.S. and other countries, future availability cannot be guaranteed.
2 University Hospital Essen, Brain Dot Engine Workflow Study, Essen, GER
3 Based on the scan time difference between a 30-channel set-up and an 18-channel set-up with otherwise identical parameters and same SNR. Data on file.
4 The statements by Siemens’ customers described herein are based on results that were achieved in the customer’s unique setting. Since there is no “typical” hospital and many variables exist (e.g., hospital size, case mix, level of IT adoption) there can be no guarantee that other customers will achieve the same results.
5 Royal Bournemouth Hospital, Cardiac Dot Engine Workflow Study, Bournemouth, U.K.; Prototype evaluation
6 May not be commercially available in countries outside the U.S., future availability cannot be guaranteed.
7 Data on file. Results may vary.