Healthcare is changing. This paradigm shift is driven by questions like:

>> 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?

Turn challenges into opportunities.

Siemens MR provides answers to these questions by offering a unique combination of MRI technology, software, and clinical applications with the “DNA of Siemens MR” – Tim, Dot, Trendsetting Applications, and Life Design – supporting you in turning these challenges into opportunities.
Your Business Case.
Our MAGNETOM users’ experiences:

>> Exceptional image quality and speed.
>> Expand MRI services.
>> Consistent results, efficiently.
>> Minimize lifecycle costs.

Technologist – more high quality exams per year:
- Tim – up to 30% reduction in exam time¹
- Tim 4G – up to 40% shorter scan times than first generation coil technologies²
- Dot & Trendsetting Applications – Bring complex exams like cardiac MRI into clinical routine
- Dot – Eliminate time-intensive tasks like vertebrae labeling

Radiologist – more efficient reading:
- Dot – Consistent exam results for each exam

Lifecycle costs – spend less:
- Life Design – Smaller system footprints, lower power, cooling and helium costs

Administrative – reduce cost per exams:
- Tim & Dot – Up to 50% more exams per day³
- Dot – Up to 20% shorter exam slots⁴
- Expand your Body MRI services: overcome motion in MRI with FREEZEit⁵
- Tim, Dot & Trendsetting Applications – Faster turnaround to referring physicians
- Life Design – maximize your patients’ satisfaction, e.g., with Quiet Suite⁶

One of the questions I’ve been asked: What is the most economical MRI to purchase? The cheapest MRI to own and operate is the Skyra. You really have to look how many cases and patients one can do on the magnet. MAGNETOM Skyra enables you to run very quickly and efficiently.⁶

Steven Mendelsohn, MD
Director, Zwanger-Pesiri Radiology
Long Island, NY, USA
Deliver exceptional quality and speed. With Tim 4G.
Go for consistent results, efficiently. With Dot.

Often, when evaluating MR ownership costs, only the system and service costs are considered. However, when taking a closer look and analyzing the cost structure of MRI exams, it becomes clear that improvements in efficiency lead to big savings over your system lifecycle.

When it comes to boosting your output quality and speed, Tim 4G and Dot help you achieve this goal – and consequently decrease operational costs.

**Tim 4G**
4G Flexibility. 4G Accuracy. 4G Speed.
- Up to 204 coil elements. Up to 128 RF channels.
- Exceptional SNR and image quality with Tim 4G’s high-channel coils and the unique RF architecture enabling DirectRF for true signal purity.
- Excellent image quality with up to 40% reduction of scan times.

**Dot**
Flexibility. Consistency. Efficiency.
- Increased staff versatility and faster onboarding.
- More predictable scheduling: Standardized procedures support less exam time variation and help deliver quality results for each exam.
- Up to 20% shorter exam slots.

**Dot – Increased staff versatility**
Enables 100% of the staff to perform cardiac MRI, up from < 20%.

**Dot + Tim 4G – Reduction in workload**
46% fewer parameter adjustments
45% less involvement of technologists

**Parameter Adjustments**
- Non-Dot Workflow: 69%
- Tim 4G + Brain Dot Engine: 23%

**Involvement of Technologists**
- Non-Dot Workflow: 85%
- Tim 4G + Brain Dot Engine: 40%

A $9 savings per exam equates to $175k over 7 years!

Assume:
Technologists each perform 10% more exams per year (1040 vs 1144)

Improvements in efficiency mean big savings over the life of your system.
Expand your MRI services. With Trendsetting Applications.

Expand to new patient populations. Trendsetting applications that utilize MAGNETOM Skyra’s cutting-edge technology to its full potential open your institution’s doors to new patient populations. Be it by accommodating a broader range of patient types or by reaching to new MRI indications, which might have been difficult to perform in the past. For example:

With FREEZEit® – featuring TWIST-VIBE® and StarVIBE® – you will be able to take body imaging to the next level. Now you can image patients who were previously excluded from an MRI exam due to their limited breath-hold capacities.

Advanced WARP® addresses the needs for serving patient populations with artificial joints. TimTX Acceleration® provides a 20% SNR gain for zooming into the finest details – in less time.

MyoMaps® is the next step in clinical routine quantification of myocardial tissue composition.

Expand your research possibilities and service scope. The flexibility of MAGNETOM Skyra extends to your research goals. Running the scanner daily for clinical use, and cutting-edge research during the night is a common practice among users.

The latest technologies, such as TimTX TrueShape for true parallel transmit, or unique hardware, like the Head/Neck 64, combined with advanced applications play an integral role in your quest for shaping the future of diagnostic imaging. Use them to differentiate your services when supporting centers of excellence. You can count on tomorrow’s technology, today!

More than 70% of scientific publications on MAGNETOM 3T systems.

MAGNETOM Skyra helps you grow your business in clinical and research fields:

- By attracting new referring physicians and patients as you improve your marketability.
- By opening up new research possibilities and services as you broaden your offerings and improve outcomes.

Our initial experience shows that the images are exceptional, and the handling of the system and the patient will make MRI diagnostics much more efficient in the future. Thus, this opens the horizon for further integration of cutting-edge scientific developments into clinical routine.

Prof. Stefan Schönberg, MD Director, Institute for Clinical Radiology and Nuclear Medicine University Medical Center Mannheim, Germany
Increase patient friendliness and protect your investment. With Life Design.

>> Maximized patient comfort.

The maximized patient comfort and unique patient experience of Life Design helps you serve more patients and increase patient satisfaction. As a consequence, you can potentially raise your patients’ evaluation over your services.

- Roominess, with a 70 cm Open Bore
- Ultra-short system length (173 cm from cover to cover) for more magnet head-out exams
- Modern and appealing design with Illumination Moodlight™ technology
- Ultra-light weight coils

The result? You provide a more pleasant experience to your patients, especially for those who used to be afraid of MRI exams. Now it is easier to put them at ease.

New on MAGNETOM Skyra, Quiet Suite[^5] takes sound pressure reduction to a whole new level:

- 81% average reduction for a complete MSK exam[^8]
- 78% average reduction for a complete neuro exam[^8]
- No compromises in image quality
- No need for hardware modifications

With the 70 cm Open Bore system, the number of claustrophobic panic attacks among patients fell by 50%. Some patients honestly say that they like their examinations. Additionally, MAGNETOM Skyra very much supports the immediate completion of reports, and thus helps us provide the standard of service that we want.[^6]

Dr. Christoph Tillmanns, Head of Cardiology, Diagnostikum Berlin, Germany

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**Quiet Suite – Average sound pressure reduction**

<table>
<thead>
<tr>
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<th>Complete MSK exam</th>
<th>Complete Neuro exam</th>
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<tr>
<td>Without Quiet Suite</td>
<td>100%</td>
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<tr>
<td>With Quiet Suite</td>
<td>0%</td>
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Minimize costs while maximizing your return-on-investment. Always secure. Always ahead. Besides highest patient satisfaction, Life Design also enables:

- Fast and easy installation
- Low siting requirements (less than 31 m²)
- Low operational costs
- Zero Helium boiloff and optimized cooling system
- Optimized lifecycle costs; environmentally friendly

More clinical expertise
Maximize your expertise with educational material, consulting services, and personalized training. Our dedicated application specialists will help you get the most out of your system.

Closer to technology – and closer to you
Once your system is up and running and your staff well trained to operate it, we offer you customized service solutions. These include:

**EVOLVE**: Keep pace with rapidly developing technological advances with software and hardware upgrades

**Customized Service Solutions**: Service agreements with individualized performance plans that ensure an optimal service solution targeted to your needs

**Siemens Remote Service**: Connected to the customer care center, many services, updates, and even immediate repairs can be performed without the need for on-site visits, saving you time and money.

**MAGNETOM World**: The worldwide MAGNETOM users community provides relevant clinical information to optimize your staff’s daily work, including alternative clinical approaches to grow and expand your practice. Get inspiration yourself at: [siemens.com/magnetom-world](http://siemens.com/magnetom-world)

Stay at the cutting-edge of 3T MRI.

- Customized service solutions
- **EVOLVE**: Investment protection with hardware and software upgrades
- **MAGNETOM World**: Expand MRI services through clinical tips and information as part of the strongest peer-to-peer user community for radiologists and technologists
- Optimized lifecycle cost: Zero Helium boil-off, optimized cooling with Eco Chiller, etc.

Short installation times and small system footprint

System lifecycle

Invest
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