

White paper

More care per kilowatt

Implementing energy efficiency
solutions in radiology
departments

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Edition #16



Executive Summary

Radiology departments are among the most energy-intensive areas in hospitals, with MRI and CT systems contributing significantly to healthcare's carbon footprint. As climate change accelerates and energy costs rise, improving energy efficiency in medical imaging has become both an environmental necessity and a strategic priority. This white paper presents a comprehensive approach to reducing energy consumption in radiology.

Drawing on global trends, regulatory frameworks, and country-level initiatives, the paper highlights how hospitals can align with sustainability goals through carbon footprint reporting, efficiency targets, energy audits, and sustainable procurement. It then outlines strategic recommendations for hospitals to enhance energy efficiency of medical equipment, emphasizing the operational, financial, and regulatory benefits of energy efficiency frameworks.

The paper continues with seven practical recommendations on how to drive measurable improvements in energy performance for high-energy-use systems like MRI and CT. The paper concludes that hospitals adopting energy-efficient technologies and operational strategies can deliver **"More care per kilowatt"** – serving more patients, improving diagnostic throughput, while consuming less energy. Investments in energy-efficient equipment and infrastructure are offset over time through measurable reductions in energy bills and equipment downtime. These savings contribute to a strong return on investment (ROI), making sustainability not only environmentally responsible but also financially viable.



"The concept 'More care per kilowatt' refers to the ability of hospitals – particularly radiology departments – to deliver high-quality diagnostic services while minimizing energy consumption. It emphasizes not just energy savings but also improved throughput, reliability, and patient outcomes per unit of energy used."

Natalia Korchakova-Heeb,
Global Lead for Sustainable Healthcare Infrastructure, Siemens Healthineers

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1. Global trends in energy efficiency for hospitals



The healthcare sector is responsible for approximately 4.4% of global greenhouse gas emissions, with radiology departments accounting for up to 7.5% of a hospital's total energy use. As climate change intensifies, reducing the carbon footprint of medical imaging has become a strategic imperative. Energy consumption in imaging is one of the largest contributors to a hospital's carbon footprint and represents not only an environmental concern but also a financial burden, particularly in the context of rising global energy prices.

Recent years have seen a global shift toward energy-efficient technologies across sectors. In healthcare, this includes the adoption of eco-design principles in equipment manufacturing and the integration of energy monitoring systems. Regulatory frameworks and sustainability reporting standards are driving hospitals to quantify and reduce their environmental impact.

MRI systems are among the highest energy consumers in clinical settings, with annual usage reaching up to 100 MWh per scanner – equivalent to the energy consumption of 20 average households. Radiology departments are significant contributors to hospital energy use and carbon emissions, making them prime candidates for targeted interventions. Governments, international organizations, and financial institutions are increasingly embedding energy efficiency requirements into healthcare regulations, funding mechanisms, and procurement standards. These efforts are not only about reducing emissions – they also support operational resilience, cost containment, and alignment with broader environmental, social, and governance (ESG) goals.

The following examples illustrate how global frameworks are shaping energy efficiency practices in hospitals:

1.1 Carbon footprint reporting

Hospitals must track and report their greenhouse gas emissions, often using standardized frameworks such as the GHG (GreenHouse Gas) Protocol. Carbon footprints are typically disclosed through annual sustainability reports and environmental audits, which are often tied to funding or accreditation requirements.

Medical equipment, especially imaging systems like MRI and CT, represents a major share of these emissions. Because of their high energy consumption and intensive cooling needs, they contribute significantly to both Scope 2 (purchased energy) and Scope 3 (indirect supply chain) emissions, making them a large portion of hospital carbon footprint reporting.

1.2 Efficiency goals

In addition to climate imperatives and rising energy costs, healthcare systems worldwide are facing increasing operational pressures due to:

- staff shortages across clinical and technical roles;
- aging populations, which drive up demand for diagnostic services;
- budget constraints and the need for resilient infrastructure.

These challenges make operational efficiency not just desirable but essential. Energy-efficient medical devices and smart imaging protocols help hospitals do more with less – delivering high-quality care with fewer resources and lower energy input.

Siemens Healthineers has a core energy efficiency concept, **“More care per kilowatt,”** which becomes especially relevant in this context. It reflects the need to maximize diagnostic throughput, equipment uptime, and patient access while minimizing energy consumption and operational strain. By investing in energy-efficient technologies and optimizing workflows, hospitals can increase care capacity without proportionally increasing energy demand or staffing requirements.

1.3 Energy audits

Energy audits are mandatory for large hospitals in the European Union (EU) and the United Kingdom (UK). In countries such as Australia, Canada, India, South Africa, and the United States (U.S.), audits are not universally required but may be mandated under certain conditions – for example, to meet funding requirements, comply with building codes, or participate in sustainability programs. Regardless of requirements, energy audits play a key role in identifying energy-saving opportunities and better understanding consumption patterns to determine the best strategies.

1.4 Sustainable procurement

Sustainable procurement is becoming a cornerstone of energy efficiency strategies in healthcare. Increasingly, healthcare tenders, especially for new and renovated hospitals, include explicit requirements for energy-efficient medical devices and infrastructure. This shift is driven by both regulatory mandates and institutional sustainability goals.

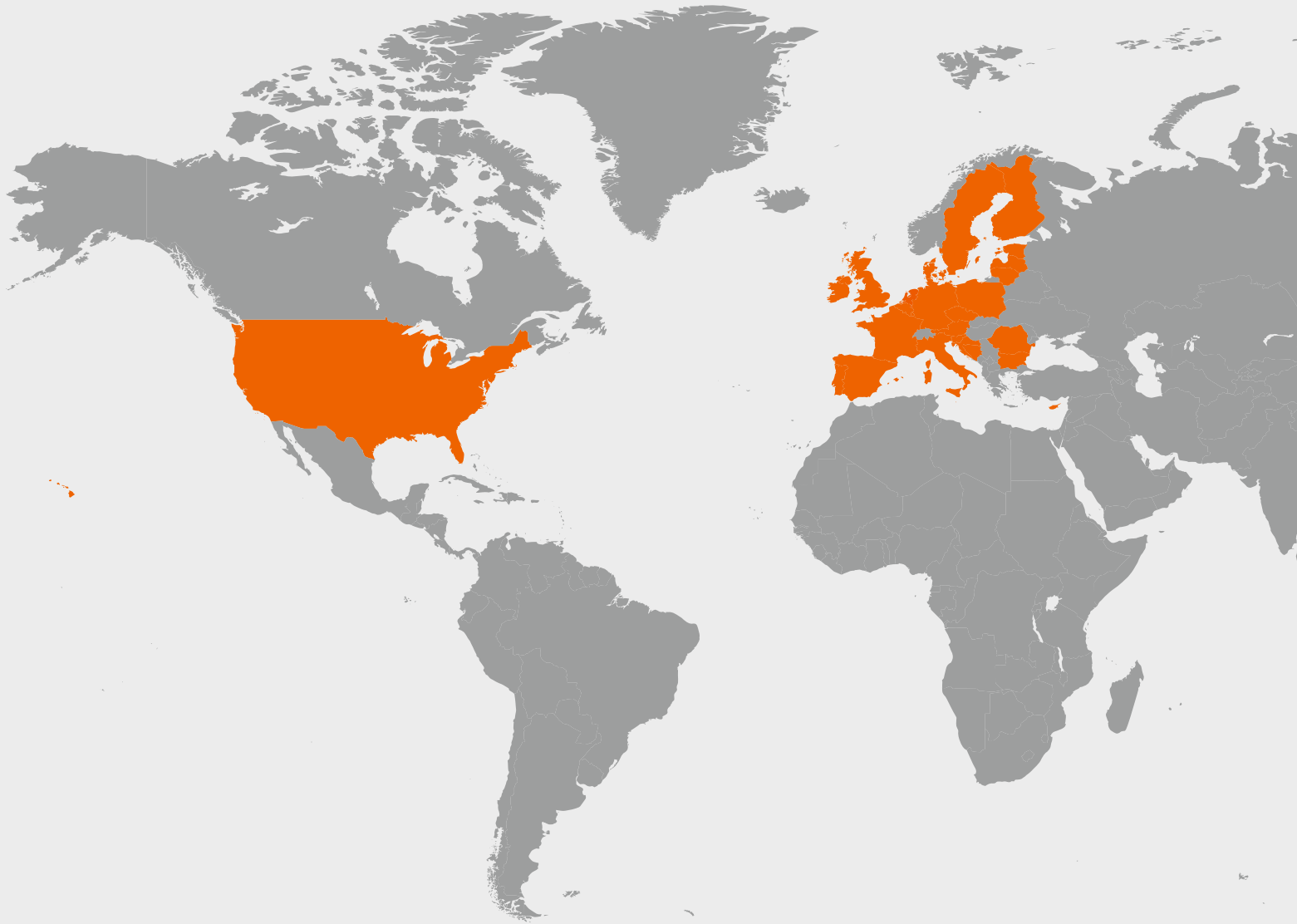
- **Regulatory compliance:** In jurisdictions such as the EU, UK, and Canada, public procurement policies require energy performance criteria in medical equipment tenders.
- **Life cycle costing (LCC):** Procurement decisions are shifting toward total cost of ownership, factoring in energy consumption, maintenance, and environmental impact over the device's lifespan.
- **International standards:** Devices must often meet certifications such as ENERGY STAR, EU Ecodesign, or ISO 14001, ensuring transparency and accountability in energy performance.
- **Funding conditions:** International financial institutions (IFIs) and multilateral development banks (MDBs) often require energy efficiency specifications in procurement guidelines for funded healthcare projects.

1.5 Governmental incentives for energy efficiency

Governments worldwide are increasingly offering subsidies, rebates, and grants to accelerate the adoption of energy-efficient technologies and practices across sectors, including healthcare. This trend reflects a strategic shift from voluntary measures to policy-driven financial incentives designed to reduce carbon emissions, lower operational costs, and strengthen the resilience of critical infrastructure. These programs evolved from simple equipment rebates to comprehensive frameworks that incorporate building performance standards, renewable energy integration, and life cycle carbon assessments. The focus is increasingly on performance-based funding, where financial support is tied to measurable energy savings and demonstrable sustainability outcomes, signaling a global move toward decarbonization through incentivized efficiency.

1.6 Hospital accreditation frameworks

Hospital accreditation bodies are increasingly recognizing energy efficiency as a key component of healthcare quality, safety, and operational resilience. While traditionally focused on clinical standards and patient outcomes, modern accreditation frameworks now incorporate environmental stewardship, including energy audits and sustainability metrics. Hospitals seeking accreditation or competitive advantage often implement energy audits, efficiency upgrades, and environmental stewardship programs. Sustainability is becoming a recognized component of healthcare quality, and these standards are market-driven and likely to persist.



2. Regional and country-specific examples of energy efficiency policies



More and more, governments worldwide are embedding energy efficiency into healthcare policy, infrastructure planning, and procurement practices. While approaches vary, a common trend has emerged: Hospitals – because of their high energy demand and critical public role – must be at the forefront of environmental sustainability.

National strategies combine legislation, financial incentives, and technical standards to drive improvements in hospital design, operations, and equipment selection. From the EU's comprehensive regulatory framework to national strategies in the UK, Canada, the U.S., Japan, and Australia, healthcare systems are aligning with sustainability goals through the targeted interventions that prioritize energy-efficient medical technologies.

Check in the Appendix, a list of various programs that support energy efficiency in medical equipment across different regions worldwide. These programs demonstrate how policy initiatives, incentives, and standards are tailored to address local needs and priorities, ultimately contributing to the adoption of more efficient technologies and improved sustainability in healthcare facilities globally.

3. The business case to pursue energy efficiency in hospitals

A strong business case for energy-efficient medical devices is built on four key pillars: operational performance, financial savings, regulatory compliance, and the sustainability impact.

3.1 Operational performance

By analyzing workflows, staff practices, and scheduling patterns, hospitals can uncover inefficiencies that lead to unnecessary energy consumption and underutilized capacity. This assessment is the first step for energy-efficient care delivery.

Key contributors to resource optimization and energy efficiency:

- **Workflow analysis:** Evaluating how imaging equipment is scheduled and operated. For example, reducing idle time between scans or clustering appointments can minimize energy-intensive start-stop cycles and maximize throughput.
- **Energy awareness training:** Educating radiology teams on energy-conscious practices – such as using eco modes, avoiding unnecessary warm-up cycles, and leveraging AI-enhanced protocols – ensures efficient use without compromising diagnostic quality.
- **Change management:** Embedding sustainability into departmental goals and KPIs helps drive adoption of new practices that align clinical performance with energy efficiency.
- **Protocol optimization:** Tailoring scan protocols to clinical needs and patient profiles can reduce scan duration and energy use. AI tools like Deep Resolve enable high-quality imaging with lower energy input.

3.2 Financial savings

Energy-efficient medical devices offer both direct and indirect financial benefits:

- **Lower operating costs:** Reduced power consumption translates to lower energy bills, with the greatest savings realized in energy-intensive departments such as radiology.
- **Improved ROI:** While initial costs may be higher, the total cost of ownership is often lower over time.
- **Cumulative savings:** Initial investments in energy-efficient technologies can be offset by cumulative savings. Longer-term energy efficiency helps contain cost and support long-term financial sustainability.

3.3 Regulatory compliance

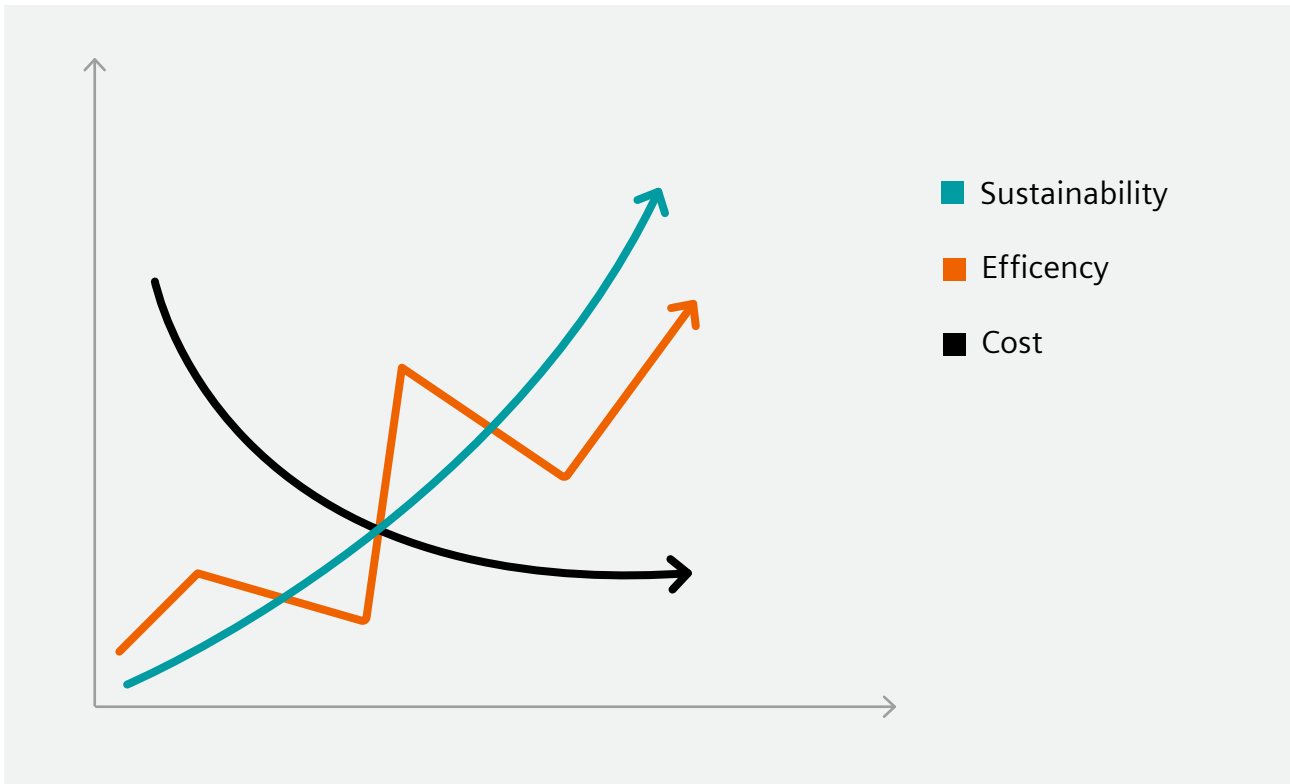
Energy efficiency aligns with evolving environmental regulations and policy frameworks:

- **Compliance with environmental standards:** Many regions mandate energy performance criteria for medical equipment.
- **Green procurement:** Public and private health systems increasingly prioritize sustainable technologies in purchasing decisions.
- **ESG reporting:** Energy metrics are key indicators in environmental, social, and governance disclosures.
- **Future readiness:** Anticipating stricter energy and emissions regulations reduces compliance risk and ensures readiness.
- **Regulatory advantage:** Hospitals that proactively invest in energy-efficient devices not only meet today's compliance requirements but also gain a strategic advantage. By staying ahead of regulations, these hospitals can reduce legal and financial risks, strengthen their reputation, and position themselves as leaders in sustainable healthcare delivery.

3.4 Sustainability impact

Energy efficiency is also a cornerstone of healthcare’s contribution to climate action and environmental stewardship.

- **Lower carbon footprint:** Energy-efficient medical devices and infrastructure directly reduce greenhouse gas emissions, especially in high-consumption areas such as imaging and sterilization.
- **Enhanced public trust:** Demonstrating environmental responsibility strengthens reputation and builds community engagement.
- **Alignment with global health goals:** Sustainable healthcare contributes to international objectives such as the UN Sustainable Development Goals (SDGs), particularly those related to health, energy efficiency, and responsible consumption.
- **Environmental responsibility:** By prioritizing energy efficiency, healthcare providers reinforce their role in protecting planetary health while delivering top-tier care.



4. Strategic recommendations for hospitals to enhance energy efficiency of medical equipment





With the business pillars established, organizations can turn to seven practical recommendations to drive measurable improvements in energy performance for high-energy-use systems like MRI and CT.

4.1 Invest in energy-efficient equipment

Start with sustainable procurement and consider medical device upgrades to the latest technology that is designed with energy efficiency in mind. Such devices often:

- Use low-power components and optimized cooling systems;
- Incorporate smart features such as standby modes or automatic shut-off;
- Meet recognized energy efficiency standards such as ENERGY STAR or EU Ecodesign.

The impact: Investing in energy-efficient equipment reduces baseline energy consumption and supports energy efficiency goals from the moment of installation. However, the full value of substantial long-term savings and environmental benefits of these investments is only realized when paired with operational consulting. To support more sustainable healthcare procurement, a coalition of industry leaders, NGOs, and healthcare providers formed the Medical Equipment Proactive Alliance (MEPA). Together, they developed clear sustainability criteria for medical imaging equipment, aimed at reducing environmental and social impacts across the product lifecycle. MEPA's framework offers practical guidance for institutions seeking to integrate sustainability into procurement decisions. More information can be found [here](#).

4.2 Invest in operational consulting to improve performance

Operational consulting goes beyond hardware upgrades to focus on:

- Workflow analysis: Identifying inefficiencies in device scheduling and utilization;
- Energy-efficiency training: Building energy-efficiency awareness so staff use devices more effectively and sustainably;
- Change management: Embedding energy-saving practices into operations and aligning them with clinical goals.

The impact: Operational consulting optimizes how, when, and why medical devices consume energy – unlocking significant savings without requiring new capital investment. By improving scheduling, reducing idle time, and aligning device usage with clinical demand, hospitals can lower energy consumption while increasing diagnostic throughput. Training and change management ensure that energy-efficient technologies are used to their full potential, enhancing both performance and sustainability.

4.3 Adopt energy efficiency measures

Beyond device design, facilities can implement additional measures that further reduce energy use, including:

- Scheduled shutdowns: Power down systems during off-hours to eliminate unnecessary energy use;
- Preventive maintenance: Ensure devices operate at peak efficiency and avoiding energy waste due to wear or misconfiguration;
- Eco power modes: Activate low-energy standby features on imaging systems during idle periods.

The impact: When implemented as part of a structured energy management strategy, these measures significantly improve energy efficiency. By complementing technology upgrades and consulting services, these measures can help even legacy systems operate efficiently.

4.4 Use AI-enhanced imaging protocols

AI-enhanced protocols on imaging equipment, such as Deep Resolve from Siemens Healthineers, improve energy efficiency by optimizing how scans are performed and reconstructed.

The impact:

- Reduced scan time: Shorter acquisition times decrease the active use of scanners.
- Lower power demand: Less energy is required from gradient coils, RF (Radio Frequency) systems, and cooling units.
- Smarter imaging: AI reconstructs high-quality images from lower-resolution or undersampled data.
- Support for low-field MRI: Enables the use of lower-power MRI systems that consume less energy.

4.5 Utilize advanced energy monitoring systems

Advanced energy monitoring systems are intelligent platforms that provide real-time visibility into energy consumption across healthcare facilities. In healthcare settings, where energy-intensive equipment and 24/7 operations are common, these systems play a crucial role in optimizing energy use without compromising care quality.

1. Device-level consumption monitoring:

- Tracks energy usage of individual devices (e.g., MRI machines, HVAC systems, sterilizers)
- Identifies patterns such as peak usage times or inefficient operation
- Enables targeted interventions, such as replacing outdated equipment or adjusting usage schedules
- Allows devices to be powered down or shifted to low-power modes during off-peak hours

2. Analytics and alerts:

- Provides dashboards with both historical and real-time data
- Sends alerts for anomalies, such as sudden spikes in energy use that may indicate equipment malfunction or misuse
- Facilitates predictive maintenance by correlating energy consumption patterns with device health

The impact: Advanced monitoring enables data-driven decision-making, helping hospitals prioritize energy investments, plan retrofits, and implement operational changes.

4.6 Audit energy consumption

Regular energy audits establish a baseline and track progress over time. They enable hospitals to:

- Benchmark usage: Compare energy usage across departments or device types;
- Define KPIs: Set clear performance indicators for ongoing monitoring and improvement;
- Identify opportunities: Highlight potential retrofits, replacements, or operational changes.

The impact: Energy audits ensure that efficiency measures are trackable and stay aligned with sustainability goals, creating a foundation of accountability and the opportunity for continuous improvement.

4.7 Explore local subsidies and grants

Hospitals should actively investigate national and regional funding opportunities that support energy-efficiency improvements. For example, Italy's Transition 5.0 program offers financial incentives for digital and green transformation in healthcare infrastructure. Similar programs exist across the EU, often tied to sustainability goals, carbon reduction targets, and public procurement policies.

The impact: Hospitals can improve financial feasibility and ROI of energy efficiency projects while aligning with regional and/or national sustainability objectives. For specific program information, see Tables 4.7.1, 4.7.2, and 4.7.3 in the appendix.

5. Energy efficiency outcomes from around the world





Hospital da Luz – Saving energy, costs and carbon emissions

The Luz Saúde Group in Portugal collaborated with Siemens Healthineers to tackle the high energy consumption of MRI systems across the multiple hospital sites of Hospital da Luz. By implementing Eco Power Mode, daily shutdown practices, and AI-enhanced imaging protocols, the hospitals achieved substantial savings in energy use, costs, and carbon emissions.

Outcomes:

- Optimized 10 MRI systems and 10 chillers across five sites of Luz Saúde Group through our consulting approach, resulting in significant savings calculated for the first year of implementation:
- More than 200 MWh of energy saved
- €25,000 reduction in energy costs
- 34 tons of CO₂ emissions avoided, equivalent to planting 2,240 trees
- Up to 60% shorter scan times with AI-powered Deep Resolve, reducing energy per exam and improving throughput

Potential impacts:

- Reduced costs and improved ROI from energy-efficient operations
- Lowered CO₂ emissions and stronger sustainability performance
- Enhanced clinical efficiency through faster scans and higher throughput

The results and statements by the Siemens Healthineers customer described herein 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, energy costs), there can be no guarantee that other customers will achieve the same results.



Hvidovre Hospital – Reducing the overall environmental impact

Hvidovre Hospital in Denmark partnered with Siemens Healthineers to determine strategies to reduce the hospital's environmental impact. After assessing workflow processes and the imaging technology, of four Computer Tomography (CT) in one central site, the project team identified opportunities to cut energy use and emissions without significant upfront investment.

Challenges:

- **High energy demand of CT scanners:** Significant power use during acquisition, processing, and reading of scans.
- **Cooling system inefficiencies:** High energy consumption from CT cooling systems and strict room temperature requirements.

Outcomes:

- 17% potential energy savings through workflow and utilization optimization
- 73 MWh reduction in annual energy consumption with no upfront investment
- >13 tons of CO₂ avoided per year by adopting energy-saving models

Potential impacts:

- Reduced costs through operational efficiencies
- Lowered environmental footprint and emissions
- Improved energy utilization without financial investment

The results and statements by the Siemens Healthineers customer described herein 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, energy costs), there can be no guarantee that other customers will achieve the same results.

Conclusion

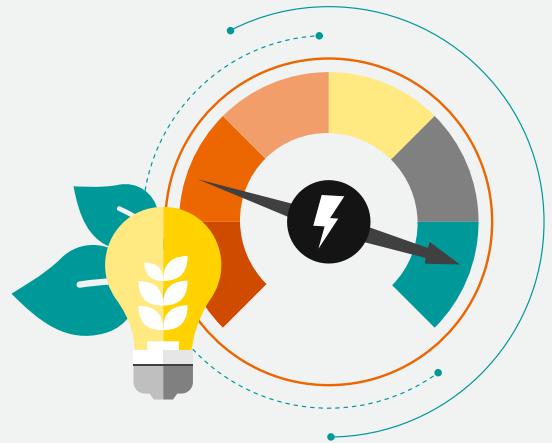
Hospitals that adopt energy-efficient technologies and operational strategies can deliver **“More care per kilowatt”** – serving more patients, improving diagnostic throughput, and enhancing service reliability while consuming less energy. Local and country-specific subsidies and grants can help accelerate sustainable transformation by reducing upfront costs and financial barriers. Following the operational, financial, regulatory, and sustainability pillars, the business case for energy efficiency is clear. Using actionable steps from this paper and partnerships with companies like Siemens Healthineers, hospitals can achieve meaningful progress toward both climate goals and long-term sustainability. Investments in energy-efficient equipment and infrastructure are offset over time through measurable reductions in energy bills and equipment downtime. These savings contribute to a strong return on investment (ROI), making sustainability not only environmentally responsible but also financially viable.

About ActGreen Energy Efficiency Services

ActGreen Energy Efficiency Services

Siemens Healthineers helps healthcare providers demonstrably improve energy efficiency and reduce environmental impact. These services identify energy-intensive processes, define key measurements, and help optimize operations. As a result, health systems see decreased energy consumption and/or increased patient throughput on the existing medical technology suite. As part of our long-term Value Partnerships, we help you meet your strategic sustainability goals and deliver more care per kilowatt.

Learn more [here](#).



Appendix

Table 4.7.1. EU member state programs supporting energy efficiency in medical equipment

Country	Program name/Agency	Focus area	Type of incentive	Link
Austria	Kommunalkredit Public Consulting	Hospital equipment upgrades	Subsidies, energy audits	publicconsulting.at
Belgium	Regional Energy Agencies (e.g., VEA, SPW)	Hospital equipment upgrades	Regional grants	energiesparen.be
Bulgaria	Energy Efficiency and Renewable Sources Fund	Public hospital upgrades	Loans, grants	bgeef.com
Croatia	Ministry of Health/EU Structural Funds	Imaging and diagnostic equipment	EU grants	zdravlje.gov.hr
Cyprus	Ministry of Energy, Commerce and Industry	Public sector energy efficiency	Grants	moeci.gov.cy
Czech Republic	OP Environment/ Ministry of Health	Sustainable hospital equipment	EU co-funded grants	opzp.cz
Denmark	Danish Energy Agency	Public sector energy efficiency	Grants, performance contracts	ens.dk
Estonia	Environmental Investment Centre	Medical equipment energy upgrades	Grants, audits	kik.ee
Finland	Motiva/Ministry of Social Affairs and Health	Sustainable healthcare procurement	Guidance, funding instruments	motiva.fi
France	ADEME	Low-energy imaging and sterilization equipment	Grants, technical support	ademe.fr
Germany	KfW Programs	Energy-efficient diagnostic equipment	Low-interest loans, grants	Förderprodukte für Energie und Umwelt KfW KfW-Konsortialkredit Nachhaltige Transformation (291) KfW KfW-Energieeffizienzprogramm - Produktionsanlagen/-prozesse (292) KfW KfW Program 295 – Bundesförderung für Energieeffizienz in der Wirtschaft (295) KfW
Greece	Green Hospitals Initiative	Imaging and sterilization systems	Grants, EU co-financing	ypen.gr
Hungary	KEHOP/Ministry of Innovation and Technology	Hospital energy efficiency	EU co-financing	palyazat.gov.hu

Country	Program name/ Agency	Focus area	Type of incentive	Link
Ireland	SEAI Public Sector Program	Efficient healthcare technologies	Grants, technical support	seai.ie
Italy	Transition 5.0— MIMIT	Digital and energy-efficient medical devices	Tax credits, grants	mimit.gov.it/it/incentivi/piano-transizione-5-0
Latvia	Ministry of Economics/EU Funds	Hospital energy efficiency	EU co-financing	em.gov.lv
Lithuania	Energy Efficiency Fund	Public sector modernization	Loans, grants	eef.lt
Luxembourg	MyEnergy/ Ministry of Health	Sustainable healthcare procurement	Technical support, funding	myenergy.lu
Malta	Energy and Water Agency	Efficient medical equipment	Grants, audits	ewa.gov.mt
Netherlands	Green Deal Zorg	Sustainable healthcare including equipment	Subsidies, innovation support	greendealzorg.nl
Poland	National Fund for Environmental Protection (NFOŚiGW)	Hospital energy efficiency	Grants, co-financing	nfosigw.gov.pl
Portugal	Fundo Ambiental/ PNAE	Hospital energy efficiency including imaging	Grants, co-financing	fundoambiental.pt
Romania	National Recovery and Resilience Plan (PNRR)	Hospital energy efficiency	EU grants	mfe.gov.ro
Slovakia	Ministry of Economy/EU Structural Funds	Medical equipment modernization	Grants, subsidies	economy.gov.sk
Slovenia	Eco Fund	Healthcare energy efficiency	Subsidies	ekosklad.si
Spain	IDAE + Regional Health Authorities	Efficient medical technologies	Grants, regional incentives	idae.es
Sweden	Swedish Energy Agency	Public sector energy efficiency	Grants, procurement support	energimyndigheten.se

Table 4.7.2 UK incentive programs for medical equipment energy efficiency

Country	Program name/Agency	Goal	Notes	Link
United Kingdom	Public Sector Decarbonisation Scheme (PSDS) – Department of Energy Security and Net Zero	Reduce emissions from public sector buildings by 75% by 2037	Currently on Phase 4 – grant recipients The delivery body, Salix Finance, is organizing webinars for grant recipients on 17 and 23 September 2025.	Phase 4 Public Sector Decarbonisation Scheme change request Webinar Salix Finance
			Grant funding for projects awarded under Phase 3c will continue until 31 March 2026, and until 31 March 2028 for Phase 4.	Public Sector Decarbonisation TEST - Greater South East Net Zero Hub Greater South East Net Zero Hub
	NHS Net Zero Supplier Roadmap – NHS England	Become a net zero carbon national health service for the emissions it controls by 2040 and for the emissions it influences by 2045	<p>According to the roadmap, from April 2024, the NHS will expand requirements for all new contracts irrespective of their value.</p> <p>Contract value above £5 million per annum to publish a carbon reduction plan for their direct emissions.</p> <p>The extension of the policy to procurements below the relevant Carbon Reduction Plan (CRP) threshold will be reviewed prior to 1 April 2026, following the implementation of the 2024 requirements.</p>	<p>NHS-Net-Zero-Supplier-Roadmap-2024.pdf NHS England</p> <p>An Overview of the New UK National Health Service Carbon Reduction Compliance Requirements Insights Ropes & Gray LLP Ropes & Gray</p>
	Salix Finance – Energy Efficiency Loans	Provide interest-free loans to public sector bodies to support the installation of energy efficiency measures	<p>Scottish Public Sector Energy Efficiency Loan Scheme opened for applications for financial year 2025/2026.</p> <p>The Welsh Government has opened applications for its funding programme for the 2025/2026 financial year until 7 November 2025.</p> <p>The Department for Business, Energy & Industrial Strategy published a Synthesis Report on the evaluation of the public sector energy efficiency loan scheme.</p>	<p>Scottish Public Sector Energy Efficiency Loan Scheme Salix Finance Salix Finance</p> <p>The Wales Funding Programme Salix Finance Salix Finance</p> <p>Public Sector Energy Efficiency loan scheme: synthesis report Department for Business, Energy & Industrial Strategy</p>

Country	Program name/ Agency	Goal	Notes	Link
United Kingdom	Energy Technology List (ETL) – IETF/BEIS	Encourages purchase and use of energy-efficient product and equipment	<p>2025 mid-year review published in July. Products added this year include hot water boiler from Baxi Heating Commercial, Building Energy Management Systems (BEMS) from HeatingSave Ltd.</p> <p>Rooftop heat pump manufacturers can now use their Eurovent certification test reports to apply for the ETL.</p>	<p>2025 Mid-Year Review: Progress and Developments in Energy Efficiency: Energy Technology List ETL</p> <p>Eurovent Certified rooftop heat pumps now easier to list on the ETL: Energy Technology List ETL</p> <p>What is the Energy Technology List and what's included on it? – The Energy Consultant The Energy Consultant</p>
	Industrial Energy Transformation Fund (IETF) – DESNZ	Help businesses with high energy use cut their energy bills and carbon emissions through investing in energy efficiency and low-carbon technologies	<p>Phase 3 was launched in 2024 and an additional £185 million was provided for capital investment support.</p> <p>Evaluation report on Phase 3 of the IETF written and referred.</p> <p>There is no further extension of the IETF and the planned second competition window of IETF Phase 3 will no longer take place. The IETF is now closed.</p>	<p>DESNZ launches new Phase 3 Industrial Energy Transformation Fund - Innovate UK Business Connect Innovate UK Business Connect</p> <p>Final Report IETF Department for Energy Security and Net Zero</p> <p>Industrial Energy Transformation Fund - GOV.UK GOV.UK</p>
	Local Authority Delivery Scheme (LAD)	Improve the energy efficiency of low-income and low-energy-performance homes	The LAD was formally closed in 2023. This scheme is no longer available.	<p>Summary of the Green Homes Grant Local Authority Delivery (LAD) and Home Upgrade Grant (HUG) statistics: February 2024 - GOV.UK GOV.UK</p> <p>Local Authority Delivery (LAD) Energy Saving Genie Energy Saving Genie</p>
	UKRI Smart Grants – Innovate UK	Support businesses in developing innovative products, processes, and services that would significantly benefit the UK economy	<p>Smart Grants was paused in January 2025 to develop tailored support.</p> <p>There will be no Smart rounds in the financial year 2025/2026.</p>	<p>Smart Grants funding guidance – UKRI</p> <p>Innovate UK is developing new funding and support packages for innovative SMEs - Innovate UK Business Connect Innovate UK</p>

Table 4.7.3 U.S. state-level incentive programs for medical equipment energy efficiency

State	Program name	Focus area	Type of incentive	Link
California	CalHealth Green Hospital Program	Energy-efficient imaging and sterilization equipment	Grants, technical assistance	energy.ca.gov
New York	NYSERDA Clean Energy for Health Care	Diagnostic equipment upgrades and Scope 2/3 reduction	Rebates, performance-based incentives	nyserdera.ny.gov
Massachusetts	Mass Save for Healthcare	Low-energy medical devices and smart controls	Rebates, custom incentives	masssave.com
Illinois	Illinois ComEd Energy Efficiency Program for healthcare facilities	Energy-efficient medical equipment in public hospitals	Grants, rebates	2025 ComEd Standard Incentives Application
Washington	Clean Buildings Program	Medical equipment in energy performance upgrades	Grants, compliance support	commerce.wa.gov
Minnesota	Minnesota Conservation Improvement Program	Imaging and sterilization equipment upgrades	Utility rebates, technical support	<p>Xcel Energy – Business Energy Efficiency Programs</p> <p>Minnesota Power – Energy Efficiency Programs</p> <p>Otter Tail Power – Business Energy Efficiency</p>

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Value Partnerships white papers

At Siemens Healthineers, we pioneer breakthroughs in healthcare. For everyone. Everywhere. Sustainably. As a leading medical technology company, we want to advance a world in which breakthroughs in healthcare create new possibilities sustainably. We've been pushing the boundaries in medical technology for more than 125 years. Today, we are active in imaging, diagnostics, cancer care, and minimally invasive therapies – augmented by digital technologies and artificial intelligence.

With our unique combination of strengths in Patient Twinning¹, Precision Therapy, and Healthcare AI, we take on the greatest challenges in healthcare. We help improve access to healthcare for underserved communities worldwide and overcome the most threatening diseases: Neurodegenerative and cardiovascular diseases, stroke, and cancer. We partner with healthcare providers to address their most pressing challenges so that they can deliver high-quality, patient-centered care, efficiently.

Motivated by our purpose and guided by our values, we foster an inclusive and innovative workplace for our diverse and engaged teams globally. We are a team of around 74,000 Healthineers in over 70 countries passionately pushing the boundaries of what is possible in healthcare so that patients can live with hope, not fear of disease.

The product/feature and/or service offerings mentioned herein are not commercially available in all countries and/or for all modalities. Their future availability cannot be guaranteed.

¹ *Early detection, accurate diagnosis, individualized therapy selection, simulation and planning, continuous monitoring, and aftercare.*

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