

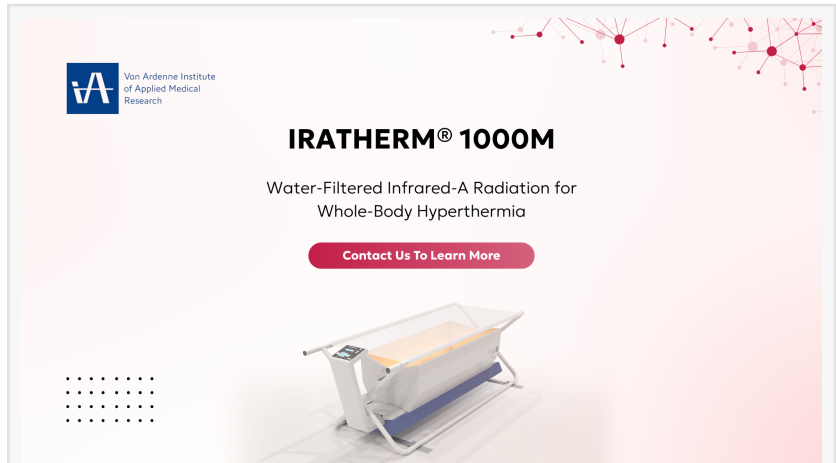
Robotimize Pioneers Whole-Body Hyperthermia in Singapore with IRATHERM® 1000M

Robotimize introduces first IRATHERM® 1000M whole-body hyperthermia system, expanding therapeutic options beyond movement therapy for comprehensive care.

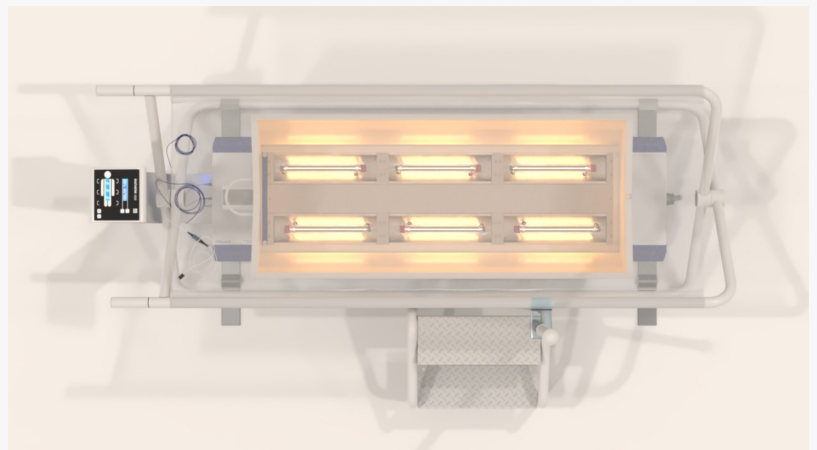
SINGAPORE, October 17, 2025
/EINPresswire.com/ --

Neurorehabilitation is a constantly evolving field that demands solutions to each individual patient's unique needs. A patient's recovery journey often involves more than movement therapy to achieve greater clinical outcomes. Recognizing that patients require more than motor recovery, [Robotimize](#) introduces the IRATHERM® 1000M—a therapeutic solution that complements neurorehabilitation by addressing the need to manage pain, inflammation, and tissue healing during the recovery process.

Robotimize Group has introduced Singapore's first IRATHERM® 1000M whole-body hyperthermia system at its headquarters, bringing three decades of German thermal medicine research to Southeast Asia's rapidly growing healthcare market. Developed by the Von Ardenne Institute of Applied Medical Research, the IRATHERM® 1000M represents a paradigm shift in



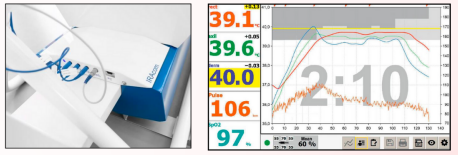
The IRATHERM® 1000M whole-body hyperthermia system leverages water-filtered infrared-A technology to safely elevate core body temperature to trigger systemic healing responses for chronic pain management, immune activation, and integrative oncology support



Clear view of the six specialized WIRA radiators positioned for uniform whole-body coverage, delivering simultaneous thermal elevation from head to toe.

thermal therapy—using water-filtered infrared-A (wIRA) radiation to safely elevate core body temperature and trigger systemic healing responses that support everything from chronic pain management to cancer treatment protocols.

Through Robotimize's ACE™ partnership model, the IRATHERM® 1000M expands the therapeutic continuum beyond mechanical rehabilitation and recovery modalities to encompass thermal medicine—a complementary approach gaining international recognition for its role in chronic disease management and integrative oncology.



IRAsoft 5.0

Software for comprehensive visualization of the hyperthermia sessions for external analysis.

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The IRAsoft 5.0 platform displays real-time patient monitoring data – enabling data logging and outcome tracking.

Why Whole-Body Hyperthermia Matters Now

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Thermal medicine represents a return to understanding the body as an integrated system—not a collection of isolated parts, complementing the targeted interventions that define modern rehabilitation.”

*Zen Koh, Strategic Advisor,
Robotimize*

Modern healthcare increasingly confronts conditions that resist conventional single-intervention approaches: treatment-resistant chronic pain, inflammatory disorders, compromised immune function, and the complex supportive care needs of oncology patients. Whole-body hyperthermia addresses these challenges through a fundamental biological mechanism—controlled fever simulation that activates the body's innate healing systems.

Elevating core body temperature to 38-39°C accelerates cellular metabolism, enhances tissue oxygenation, improves microcirculation, activates immune responses,

and increases cellular permeability to medications and nutrients. These effects occur systemically and simultaneously—creating therapeutic opportunities impossible through localized interventions alone.

Yet traditional hyperthermia methods have faced significant limitations: uneven heating, skin irritation from surface-only infrared radiation, patient discomfort, and complex monitoring requirements that restricted clinical adoption. The IRATHERM® 1000M solves these constraints through technology that mimics natural sunlight's beneficial thermal properties while eliminating harmful wavelengths.

"Bringing the IRATHERM® 1000M to Singapore represents our recognition that comprehensive

patient care extends beyond physical rehabilitation into systemic therapeutic modalities. Whole-body hyperthermia opens possibilities for patients whose conditions require approaches that work with—not just on—the body's inherent healing capacities," said Kerry Guo, Founder and CEO, Robotimize Group.

Six Radiator Configuration for Uniform Therapeutic Heat

The system surrounds patients with six specialized wIRA radiators positioned to deliver uniform irradiance across the entire body. This configuration achieves what manual heating methods cannot: simultaneous, consistent thermal elevation from head to toe, reaching core temperatures of 38-39°C within 45 minutes—fast enough to be clinically practical yet gentle enough for elderly patients and those with compromised health.

Comprehensive Real-Time Monitoring

Patient safety drives every aspect of IRATHERM® design. The integrated IRacom® hardware continuously monitors three independent temperature readings, pulse rate, and oxygen saturation—transmitting data in real-time to the IRAsoft 5.0 visualization platform. Operators can adjust treatment parameters instantly based on physiological responses, maintaining therapeutic targets while preventing adverse effects. Complete session data logging enables outcome tracking and protocol refinement across patient populations.

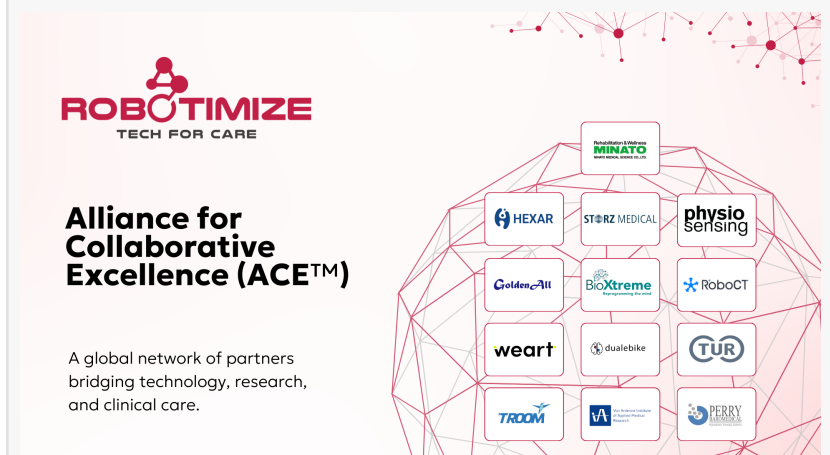
Therapeutic Mechanisms and Clinical Applications

Controlled hyperthermia triggers cascading physiological effects:

- Metabolic acceleration increases biochemical reaction rates, supporting detoxification and cellular repair



The IRATHERM® 1000M demonstrates three decades of German thermal medicine research translated into safe, reproducible clinical application through IvA's commitment to therapeutic excellence.



ACE™ partnerships unite global specialists like MINATO Medical Science with regional implementation expertise, creating comprehensive rehabilitation ecosystems where complementary technologies expand patient care possibilities beyond any single organization.

- Microcirculatory enhancement improves oxygen and nutrient delivery to tissues, particularly beneficial for wound healing and chronic inflammation
- Immune system activation mimics natural fever responses, potentially supporting cancer treatment and infectious disease recovery
- Muscle tone reduction relieves chronic tension and pain—valuable for musculoskeletal conditions
- Enhanced cellular permeability may improve medication uptake and effectiveness when hyperthermia complements pharmacological treatments

These mechanisms create therapeutic opportunities across multiple medical domains: chronic pain conditions unresponsive to conventional treatments, autoimmune and inflammatory disorders requiring immune modulation, integrative oncology protocols where hyperthermia supports chemotherapy or radiation therapy, detoxification and metabolic optimization programs, and post-infectious fatigue syndromes including long COVID rehabilitation.

"Thermal medicine represents a return to understanding the body as an integrated system—not a collection of isolated parts. The IRATHERM® 1000M provides clinicians with a tool that engages systemic healing mechanisms, complementing the targeted interventions that define modern rehabilitation." — Zen Koh, Strategic Advisor, Robotimize Group

Singapore as Regional Medical Technology Gateway

Singapore's position as the first Southeast Asian market for IRATHERM® 1000M reflects several strategic realities. The nation's regulatory framework—among the world's most rigorous—provides validation that international healthcare systems respect.

The city-state's medical tourism infrastructure attracts patients globally seeking treatments unavailable in their home markets. Whole-body hyperthermia, already established in German and European integrative medicine, now becomes accessible to regional populations without international travel to distant continents.

Singapore's concentration of medical research institutions, teaching hospitals, and specialized clinics creates an ideal environment for demonstrating how thermal therapy integrates with conventional and complementary treatment protocols. Insights gained here will inform implementation strategies throughout Southeast Asia.

Leadership Perspectives: Expanding the Therapeutic Horizon

Kerry Guo, Founder and CEO, Robotimize Group: "The IRATHERM® 1000M introduction marks Robotimize's vision to advocate for pathways beyond traditional rehabilitation that address the whole person. Through our ACE™ partnership with Von Ardenne Institute, we bring proven thermal medicine to Singapore's healthcare landscape, representing comprehensive care in its truest sense."

Zen Koh, Strategic Advisor, Robotimize Group: "What excites me about whole-body hyperthermia is its fundamental approach. The IRATHERM® 1000M exemplifies how European thermal medicine traditions, grounded in decades of clinical experience, can integrate into Asian healthcare systems. Singapore's role as the first regional market creates opportunities for thoughtful clinical validation and protocol development that will benefit patients across Southeast Asia."

Even Koh, Group General Manager, Robotimize Group: "Implementing the IRATHERM® 1000M required understanding not just the technology but the clinical paradigm shift it represents. Our team invested significant effort learning hyperthermia protocols, monitoring requirements, and safety standards established by Von Ardenne Institute's three decades of experience. Having this system at our Singapore headquarters enables us to share that knowledge with healthcare providers considering how thermal therapy might serve their patient populations."

Professor Denny Oetomo, Co-Founder and CTO, Robotimize Group: "The physiological effects of controlled hyperthermia are well-documented in research literature—enhanced perfusion, metabolic acceleration, immune activation. What the IRATHERM® 1000M achieves is translating that science into safe, reproducible clinical application through precision engineering."

ACE™ Partnership Strategy in Thermal Medicine

The IRATHERM® 1000M exemplifies Robotimize's ACE™ (Alliance for Collaborative Excellence) partnership philosophy: identifying specialized technologies from world-leading developers and bringing them to regional markets through strategic collaboration.

Through ACE™ partnership, Robotimize leverages Von Ardenne's accumulated knowledge while providing regional market access, implementation support, and clinical network connectivity. The institute gains wider market presence without building distribution infrastructure; Robotimize expands its therapeutic portfolio without duplicating existing excellence.

This model scales efficiently: as therapeutic frontiers expand—whether advanced thermal medicine or emerging neuromodulation approaches—Robotimize can integrate specialized solutions through ACE™ channels. Each partnership enriches the comprehensive care ecosystem available to patients and clinicians.

Thermal Medicine Meets Rehabilitation Philosophy

While the IRATHERM® 1000M differs fundamentally from mechanical rehabilitation devices in Robotimize's VivantePlexus™ platform, it shares the same foundation: belief that optimal patient outcomes require diverse therapeutic approaches addressing different aspects of healing and recovery.

Consider patient scenarios where thermal therapy complements rehabilitation:

- Chronic pain patients whose muscle tension limits physical therapy participation benefit from hyperthermia's muscle relaxation effects before exercise sessions
- Cancer survivors managing treatment side effects while rebuilding strength may use thermal therapy to support immune function and reduce inflammation alongside gradual reconditioning programs
- Elderly individuals with compromised circulation experience improved tissue perfusion from hyperthermia, potentially enhancing their response to subsequent strength and mobility training
- Athletes recovering from injuries might integrate thermal therapy to accelerate tissue healing and metabolic clearance of inflammatory mediators between active rehabilitation sessions

These scenarios illustrate integration possibilities—not prescriptive protocols but examples of how thermal medicine might enhance comprehensive care when applied thoughtfully within broader treatment plans.

Looking Forward: Clinical Validation and Regional Expansion

The IRATHERM® 1000M's Singapore introduction launches several parallel initiatives: Clinical education programs will familiarize physicians, oncologists, physical therapists, and complementary medicine practitioners with whole-body hyperthermia principles, safety protocols, and evidence-based applications—building the clinical knowledge foundation necessary for thoughtful adoption.

Outcome documentation efforts will track therapeutic responses across diverse patient populations and conditions, generating Singapore-specific data that informs protocol refinement and helps healthcare providers understand which patients benefit most from thermal therapy.

Integration protocol development will explore how hyperthermia combines effectively with conventional treatments—chemotherapy timing relative to heat sessions, physical therapy scheduling around thermal treatments, and medication dosing adjustments when cellular permeability increases.

Technology demonstration access allows healthcare decision-makers considering thermal therapy investments to experience the IRATHERM® 1000M firsthand at Robotimize's Singapore headquarters—understanding not just specifications but operational realities, patient experience, and workflow implications.

A Milestone in Comprehensive Care Evolution

Singapore's first IRATHERM® 1000M represents the recognition that comprehensive patient care requires therapeutic diversity matching the complexity of human health challenges.

Mechanical rehabilitation addresses movement dysfunction. Recovery modalities support tissue

healing. Thermal medicine activates systemic healing mechanisms. Together, these approaches create possibilities no single modality achieves alone.

"The IRATHERM® 1000M introduction reflects our maturing understanding of what comprehensive care truly means—not just more equipment, but thoughtfully curated therapeutic approaches that address patients' multidimensional needs. Through ACE™ partnerships with innovators like Von Ardenne Institute, we continue expanding possibilities for patients and clinicians across Southeast Asia," concluded Kerry Guo.

As Singapore establishes itself as the regional hub for advanced thermal medicine, Robotimize's role as implementation partner and clinical educator positions the company—and its healthcare partners—to lead the thoughtful integration of whole-body hyperthermia into 21st-century comprehensive care delivery.

About Von Ardenne Institute of Applied Medical Research

The Von Ardenne Institute, founded over 30 years ago in Germany, honors the scientific legacy of physicist Manfred von Ardenne and specializes in research, development, and distribution of whole-body hyperthermia devices using water-filtered infrared-A radiation. Based in Dresden and Chemnitz, the institute combines decades of thermal medicine expertise with precision engineering to create clinically validated therapeutic platforms. The IRATHERM® 1000M represents the culmination of sustained research into safe, effective whole-body hyperthermia for applications spanning chronic disease management, integrative oncology, and regenerative medicine.

About Robotimize Group

Robotimize Group is a next-generation health technology company headquartered in Singapore, specialising in intelligent rehabilitation robotics and digital neurotechnologies. Through VivantePlexus™, its integrated rehabilitation ecosystem, and ACE™, its strategic partnerships portfolio, Robotimize delivers comprehensive solutions that support motor, cognitive, and neurological recovery across hospital, home, and community settings. With regional hubs in Malaysia and Europe and a growing international partner network, Robotimize is redefining rehabilitation delivery—making it more personal, adaptive, and accessible. For more information, visit: www.robotimize.tech

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