



About Us

Enhancing Patient Experience in Indonesian Healthcare

We recognize the critical importance of patient satisfaction within hospitals and clinics. It is a complex interplay of factors that influence patient outcomes, provider effectiveness, and organizational success. This requires active involvement from healthcare leaders in driving initiatives that propel these forces forward. Our belief is grounded in the understanding that *"increases in employee satisfaction are associated with increases in patient satisfaction"*. This relationship resembles the age-old chicken-and-egg dilemma, yet which of the two *"comes first"* is of less importance. Provider and patient satisfaction are two sides of the same coin, and each drives meaningful change in the other.

Our commitment extends beyond immediate interactions. We prioritize accurate diagnoses, evidence-based treatment plans, and addressing emotional concerns. Every aspect of our services is designed to treat patients with dignity, respect and empathy. Healing and happiness go hand in hand. The ripple effects of patient satisfaction resonate long after the point of care. Patients who experience satisfaction are more inclined to adhere to treatment regimens and foster enduring relationships with their healthcare providers. This translates into concrete advantages: reduced readmission rates, shorter hospital stays, and a lighter burden on the healthcare system—an imperative during turbulent times such as the era of COVID19- in which medical practitioners and staff have confronted unprecedented stress, fatigue, and emotional strain. Regardless, our core mission remains unwavering: to deliver equitable, accessible, and high-quality patient care to all. Our guiding principles define our identity as individuals, an organization, and a community. They serve as a compass for our priorities and aspirations, reflecting our commitment to meaningful change

Our Vision

"Living a long Happy Life and Loving It!"

It describes our ideal state of physical and emotional health—our *"best self"*—and what it would look and feel like. It serves as a guiding light, keeping us aligned as we work towards making positive behavioral changes each day

Our Mission

"We help our members to see the big picture of their well-being."

Our mission is to guide our members in understanding their complete well-being. We assist them in gaining a holistic view of their health, encompassing physical, mental, and emotional aspects, empowering them to make informed choices for a balanced and fulfilling life.

"Stay Active, Take it Slow, Nurturing Friendship, Eating Light, Live in the Moment, Daily Moderate Exercise, Connect with Nature, Smile, Follow Our Passion, and be Grateful"

Message from the Board of Directors

Dear valued stakeholders,

Over the years, we have witnessed remarkable shifts in the Indonesian business landscape. Despite these changes, our commitment to collaborating with top-tier companies and world-class investors remains steadfast.

Undoubtedly, the COVID19- pandemic has left an indelible mark on our world, reshaping lives worldwide in ways we could never have imagined. The pandemic has transformed our daily routines, ushering in a more virtual existence due to social distancing guidelines. Consequently, we have adapted our work, learning, and interaction practices. On the health front, we have seen both positive and negative changes, prompting us to approach healthcare differently.

One aspect that merits our attention is the impact on mental health. The pandemic has given rise to an array of mental health challenges, affecting people of all ages. Reports indicate that %55 of those surveyed experienced mental health issues since the pandemic's onset, with young adults between 18 and 34 years old being particularly affected.

It is with great enthusiasm that I share our plans for MITORA's future. Our vision includes establishing the MITORA One-Stop Medical Clinic, strategically located in a twenty-hectare site in the East of Jakarta, as well as a -200hectare Health and Wellness Resort at Malino Highlands in South Sulawesi, surrounded by the breathtaking natural beauty of the region. These centers will serve as havens for rehabilitation and recovery, addressing the pressing need for holistic healthcare solutions. Additionally, we are proud to announce the upcoming MITORA Residency in NAGANO, Japan, offering healing and wellness tourism opportunities for our patients, following recommendations from our MITORA One-Stop Medical Clinic.

As we progress, our commitment to promoting Japanese medical equipment and managerial success, particularly in medical and administrative management at the MITORA One-Stop Medical Clinic, remains unwavering. Our priority is to serve expatriates, especially Japanese citizens residing in Indonesia, offering them specialized healthcare services to ensure their well-being.

Moreover, we are excited to launch the SilverFuture program, aimed at inviting Japanese senior experts to Indonesia. Through this initiative, we hope to create a conducive environment for work-life balance, enabling these experts to share their knowledge in critical areas like agriculture, fisheries, and farming.

In conclusion, MITORA's journey is founded on a passion for excellence and innovation in healthcare. We aspire to become a leading healthcare institution in the nation, working hand-in-hand with our esteemed Japanese Medical Team at the MITORA One-Stop Clinic.

Thank you for being an integral part of our growth and success.

*Best regards,
MITORA GROUP*



*Andreas Thanos
Founder & CEO*

MALINO HIGHLANDS, PT



*Minoru Arae
President*



Malino Highlands

General Business Activities

Malino Highlands has been established as a Health and Wellness Resort company in South Sulawesi, Indonesia. Our foundational business approach centers around the concept of Sustainable Transformation.

Company Strategy

- **Purpose** To be a leader in the health and wellness industry through enhanced services, relationships, and profitability.
- **Vision** To provide quality services that exceeds the expectations of our esteemed customers.
- **Mission Statement** Cultivating enduring relationships with clients by delivering outstanding customer experiences through innovation and advanced technology.
- **Core Values** We believe in treating our customers with respect and faith. We grow through creativity, invention and innovation. We integrate honesty, integrity and business ethics into all aspects of our operations.
- **Goals** Expand regionally in health and wellness management, establish a strong base of loyal customers, and increase company assets to support service development. Foster a stellar reputation in health and wellness management, positioning us as a key industry player.



A Paradigm of Sustainable Transformation

Nestled within a sprawling -200hectare expanse, the former Japanese-owned tea plantation has been reimagined into a captivating canvas for innovative possibilities. Utilizing existing structures in ingenious ways, this enchanting landscape now showcases an eco-friendly café atop the once-dormant tea factory, offering visitors a breathtaking panorama of boundless tea fields and untamed pine forests.



The rejuvenated grounds will host a tapestry of offerings, including residential facilities, a wellness retreat, a rehabilitation center, distinctive dining establishments, single and family villas, a serene Japanese Green Tea Garden, vibrant flower gardens, and modern digital greenhouses yielding an abundance of fruits, vegetables, and blossoms. The sanctuary further encompasses a haven for wildlife and birds, harmoniously integrated with an observatory research center dedicated to fostering organic agricultural practices among local farmers. Throughout, utmost reverence for the natural topography will prevail, employing locally sourced materials and judiciously recycled resources to establish a model of sustainable legacy and a benchmark of green excellence for the region.

Cultivating Indonesia's Agricultural Resilience

In a significant stride towards reinforcing Indonesia's agricultural sector, the World Bank has endorsed a US\$100 million project on 9 June 2022, marking its commencement on 5 September 2022. With a focus on enhancing value chains within targeted agri-zone clusters and bolstering the Ministry of Agriculture's capacity for catalytic support, the endeavor aligns seamlessly with the nation's prioritized domains of production capacity, diversification, logistics, agricultural modernization, and export promotion. This initiative not only champions agricultural transformation but also propels the integration of cutting-edge technologies and digital methodologies, setting the stage for a more prosperous and resilient future for Indonesian farmers and the nation.

In the ever-evolving landscape of agriculture, our company stands at the forefront of a digital revolution that is reshaping the way farming is approached, executed, and sustained. With a profound commitment to innovation, sustainability, and growth, we have embarked on a transformative journey to catalyze the agricultural sector through groundbreaking digital advancements.

Digital Agriculture: Empowering Farming for a Sustainable Future

The realm of agriculture is undergoing a profound transformation through digital innovation. Embracing technologies like vertical indoor farming, precision agriculture, Artificial Intelligence (AI), and blockchain, these advancements have the potential to eradicate rural poverty and hunger on a global scale. By harmonizing farm machinery with data-driven insights, experts can optimize agricultural practices, from seed selection to pest control, ushering in a new era of productivity and sustainability. The digital integration between farmer and consumer promises enhanced communication and access to farming knowledge, forging a path towards elevated crop yields and long-term agricultural progress.

A Glimpse into Greenhouse Horticulture's Tomorrow with Digital Twins

Horticulture, a captivating realm characterized by diverse and ever-shifting production dynamics, is intrinsically tied to nature's whims. Balancing variables like weather, diseases, soil conditions, and seasons, horticulture stands as a captivating and ever-evolving industry. As nature's partner, we embark on a journey to amplify horticultural possibilities through visionary greenhouse projects.

Nature's unpredictability underscores the challenges faced by horticulturists. The solution lies in greenhouses, offering a controlled oasis for year-round indoor cultivation. Within these sheltered realms, precise optimization of factors such as temperature, fertigation, light, and moisture ensure an environment where plants thrive, independent of external fluctuations.

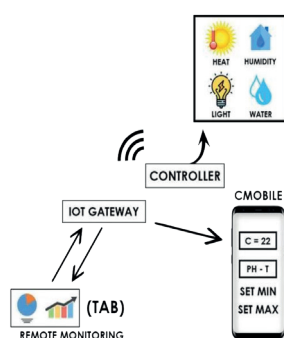
At the heart of our greenhouse projects lies the transformative power of digital twins—an innovation poised to revolutionize greenhouse horticulture. By seamlessly replicating real-world scenarios, digital twins empower farmers with unprecedented control. Swift responses to anticipated changes and data-driven simulations of treatments empower horticulturists to master their craft, ensuring optimal growth and production. The surge in greenhouse horticulture underscores its growing prominence. Driven by the imperative to overcome labor shortages and streamline production, greenhouses emerge as a strategic solution. The marriage of technology and nature heralds a new era of agricultural prowess, propelling the industry toward sustained growth.

Beyond real-time control, digital twins possess the remarkable ability to retrospectively analyze past states and forecast future behavior concerning crop growth and yields. Seamlessly integrated digital twin applications serve as decision-making tools for farmers and stakeholders, enabling prompt responses to predicted deviations and remote regulation of greenhouse operations. This amalgamation of intelligence and innovation effectively captures the tacit knowledge held by seasoned horticulturists, enriching production, yields, and quality while concurrently alleviating the demand for skilled labor.

A Vision Beyond Borders: Transforming Agriculture's Tomorrow

Looking ahead, our agricultural initiatives underscore an unwavering dedication to digitalizing the industry. Like pieces of a puzzle, the collaboration between farmers, cutting-edge technology, services, and insightful consultation forms the foundation of our vision. As digital transformation reshapes various sectors, agriculture emerges as a pivotal arena for innovation.

Our agriculture and greenhouse projects embody innovation, resilience, and stewardship. Through strategic investments in infrastructure, accessibility, and education, we foresee a future where technology and agriculture unite, fostering sustainable growth and nurturing a thriving global food ecosystem.



Lab
Conduct research and development aimed at sustainable agriculture in consideration of the reduction of environmental load, which is a new standard.



Collaboration
By collaborating with universities and interacting with the local com-

MITORA One-Stop Medical Clinic

Malino Highlands

Bridging Healthcare in Challenging Times

In the face of unparalleled global challenges brought about by the pandemic, the demand for healthcare remained resolute. Remarkably, %38 of individuals postponed vital preventive health visits due to pandemic-related concerns, despite healthcare providers ensuring safe environments. Neglecting preventive care could potentially result in severe illnesses. Through our One-Stop Medical Clinic and Pain Rehabilitation Center, we acknowledge the paramount significance of timely care, delivering specialized services to address this need.

Effortless Care at MITORA One-Stop Medical Clinic

At MITORA One-Stop Medical Clinic, we are dedicated to restoring vitality and wellbeing. Our comprehensive Primary Care Medicine encompasses all age groups, fostering a proactive approach to health. Additionally, our specialized preventative care ensures personalized treatment plans tailored to individual needs. Guided by a commitment to excellence, our team of skilled professionals tackles even the most intricate health conditions with unparalleled success, safeguarding a healthier and more vibrant future for our patients. MITORA One-Stop Medical Clinic is a beacon of excellence, collaborating with a Japanese Medical Team to provide exceptional care in specialized fields, including:

Cancer • Neurology and neurosurgery • Cardiology and heart surgery • Diabetes and endocrinology • Gastroenterology and gastrointestinal surgery • Geriatrics • Gynecology • Orthopedics • Pulmonology • Urology

Your Complete Healthcare Solution

MITORA One-Stop Medical Clinic redefines convenience in healthcare. Our goal: provide you with a seamless experience that includes initial consultation, precise diagnosis, and personalized treatment planning—all in one visit. Our dedicated team of specialists, nurses, and imaging technicians ensures your comprehensive needs are met under one roof.

Tailored Solutions for Every Need

From focused conditions like breast cancer to specialized fields such as gynecology, oncology, urology, and cardiology, we deliver a targeted approach. Our clinic day covers vital tests—medical history, physical exams, blood tests, imaging, and biopsies, if needed—ensuring a swift and thorough diagnosis, along with a treatment plan already set in motion.

Efficiency Redefined

Choosing MITORA means minimizing your healthcare journey. No need to travel between locations—our integrated setup eliminates hassle. Beyond physical health, we address mental well-being, offering support for chronic pain, depression, and anxiety through cognitive behavioral treatments and access to local therapists.

Comprehensive Mental Well-being

At MITORA One-Stop Medical Clinic, we are committed to fostering comprehensive mental well-being alongside physical health. Our dedicated approach recognizes the interconnectedness of emotional, psychological, and social dimensions in shaping an individual's overall health.



REHABILITATION CENTER



Mental health encompasses a range of factors that influence how we think, feel, and behave. It plays a crucial role in how we manage stress, build relationships, make decisions, and maintain a sense of balance. From childhood through adulthood, mental health is an essential component of leading a fulfilling and meaningful life.

We firmly believe that mental and physical health are interconnected and equally vital. Just as physical ailments can impact mental well-being, psychological factors can affect our physical health. Our integrated care approach addresses this synergy, ensuring that both aspects are considered for optimal health outcomes.

Multiple factors contribute to the development of mental health issues. Adverse Childhood Experiences (ACEs); *chronic medical conditions, biological factors, loneliness, and substance use are among the contributing elements.* Our clinic recognizes the importance of identifying and addressing these factors to enhance mental resilience and overall well-being.

By offering a comprehensive suite of medical services that prioritize mental health, MITORA One-Stop Medical Clinic is dedicated to ensuring that our patients receive the holistic care they deserve. Our commitment extends beyond physical ailments, encompassing mental well-being for a truly balanced and healthier life.

Holistic Health at Every Stage

Embrace a comprehensive approach to health. At MITORA, we recognize the importance of mental well-being, shaping emotions, thoughts, and behaviors. Our commitment to holistic care spans from childhood through adulthood, ensuring a healthier, fulfilling life journey.



Empowering Restoration: MITORA Pain Rehabilitation Center (PRC)

Discover a pathway to reclaiming an active and fulfilling life with the MITORA Pain Rehabilitation Center (PRC). Our innovative approach focuses on empowering individuals grappling with chronic pain to overcome limitations and embrace a more vibrant lifestyle. Through a comprehensive blend of behavioral, physical, and occupational therapies, our prehabilitation strategy rekindles physical activities and elevates overall quality of life.

Our Approach

At PRC, we adopt a holistic perspective that transcends symptom management. Our multifaceted program not only facilitates the reduction of pain medications but also aims to minimize reliance on other medications that may impact long-term well-being. Embracing a collaborative and integrated ethos, our proficient team of healthcare experts comprises pain medicine specialists, physical therapists, psychologists, occupational therapists, biofeedback practitioners, and nurses.

A Journey to Rejuvenation

Participants embark on a structured path towards liberation from pain medications and symptom-driven treatments. Our carefully designed tapering process, supported by both peers and our dedicated staff, empowers individuals to regain physical strength and endurance. Gradually, the focus shifts from pain and symptoms to the pursuit of personal values and aspirations, fostering a renewed zest for life.

PRC Program Highlights

Our Pain Rehabilitation Center, situated both east of Jakarta and at the picturesque Malino Highlands, offers a transformative three-week program for adults. Additionally, our Jakarta PRC extends a two-day educational program for adults. Welcoming individuals grappling with a diverse spectrum of chronic pain conditions, PRC provides a sanctuary for holistic healing and rejuvenation.

Conditions We Address

The MITORA PRC specializes in offering relief to those experiencing a range of chronic pain conditions, including but not limited to: *Abdominal pain • Central sensitivity syndromes • Chronic back pain • Complex regional pain syndrome • Generalized pain or pain in multiple areas • Headaches, including migraines • Nerve (neuropathic) pain • Nonepileptic spells • Post-cancer treatment-related pain, such as with mastectomy • Postural orthostatic tachycardia syndrome (POTS) • Upper or lower body pain, spanning from the chest wall and jaw to the face, pelvis, and joints • Chronic fatigue*

Unveil the potential for renewed vitality and embark on a transformative journey with MITORA Pain Rehabilitation Center. Our mission is to guide you towards lasting relief, restored strength, and a revitalized perspective on life.

Unveiling IKIGAI in Japan: The Heart of Longevity

In the wisdom of Japan, everyone possesses an IKIGAI, a profound reason for living. Among the villagers of the world's most long-lived community in Japan, this IKIGAI holds the key to a life filled with happiness and longevity.



KOMINKA: A Tapestry of Tranquil Living

Discover the allure of Kominka, the serene and spacious countryside residences cherished by merchants and farmers in rural Japan. Nestled within the embrace of mountains, these stand-alone abodes offer an exquisite blend of rural tranquility and city proximity.

Embrace Life's Possibilities at Nagano: A Haven for All Seasons

Venture into Nagano Prefecture, cradled at the heart of Honshu island. Renowned for its majestic mountains, hot springs, and architectural wonders, Nagano boasts the Zenkō-ji temple, a sacred 7th-century marvel housing a hidden Buddha statue. Immerse yourself in the legacy of Omine Castle, now a butterfly sanctuary, and explore the Togakushi district's ancient shrine and the captivating Togakushi Ninja Museum.

A Symphony of Seasons in Nagano

Enveloped in Nagano's embrace, experience a symphony of climatic nuances year-round. Summers unveil warmth and humidity, while winters bring crisp coldness and pristine clarity. With temperatures ranging from 24°F to 86°F, Nagano's climate paints an ever-changing canvas. The prime window for warm-weather adventures graces mid-July to late September.

Nagano's Winter Wonderland

Winter casts a magical spell over Nagano's landscape, draping mountains, forests, and valleys in glistening white. Pristine air blesses the horizon with clear blue skies, while waterfalls and lakes freeze in captivating stillness. The Japanese Alps' generous snowfall transforms Nagano into a picturesque winter haven.

Embark on a journey through over eighty (80) ski resorts, forests, and mountains, engaging in a myriad of winter pursuits. Beyond skiing, revel in snowmobiling and tubing, finding solace by a crackling fire or indulging in soothing hot spring baths. As nights grow long, Nagano's winter festivals infuse warmth through sake-filled celebrations and blazing bonfires.



A Tapestry of Summer Adventures

In summer's embrace, Nagano reveals itself as a haven for outdoor enthusiasts. Framed by the towering peaks of the Japanese Alps, the region offers a year-round playground. Beyond skiing, mountain biking, rafting, and canyoning beckon. Nagano, a former Winter Olympics host city, invites you to explore its rich history and diverse offerings, ensuring that every season kindles its own enchantment.



Enriching Lives through Recreation: A World of Possibilities

As we embrace the golden years, a world of recreational activities unfolds, enriching our lives with joy and vitality. From the meditative grace of yoga to the rhythmic allure of dance, seniors find fulfillment and connection through a myriad of options.

Engaging in gardening fosters a profound connection to nature, while hobbies like dancing offer both physical and mental stimulation. These activities, designed with seniors in mind, encourage a vibrant, active lifestyle that brings both happiness and improved wellbeing. While a multitude of recreational options await, tailored selections are crucial to cater to individual physical capabilities and preferences.



Harmonizing with Yoga

Yoga extends a gentle embrace, enhancing balance, coordination, and inner tranquility through mindful movements and breathing. Seek meditative-focused classes, steering clear of fast-paced variations, to create a nurturing space for elderly participants. Experience the profound union of body and spirit through yoga's soothing rhythms.

Dancing into Joy

Embark on a rhythmic journey with dancing, an avenue not only for physical exercise but also for social connection and mental stimulation. Whether in line dancing, gentle swing, or jazzercise, dancing's vibrant energy brings joy and alleviates depression. Step onto the dance floor and let your spirits soar.





Cultivating Delight: Gardening

Gardening offers a nurturing haven, a recreational pursuit embracing patience and reward. Revel in the open air and relish basic movements as you water, weed, and tend to your garden during the growing season. Embrace the art of cultivation through greenhouses, indoor germination, or the innovative Aerogarden during winter, ensuring a year-round connection with nature's beauty.



TEA CEREMONY



Elevate your life's tapestry through the enriching chapters woven within the realm of Nagano's serene landscapes and the boundless potential of engaging recreation.

Wholesale Medical Supplies & Equipment



Empowering Healthcare Access with Wholesale Medical Solutions

At MITORA, we are dedicated to providing cost-effective solutions for healthcare facilities, ensuring access to top-quality medical supplies and equipment. Drawing upon our extensive portfolio of medical- surgical products and pharmaceuticals, we collaborate with health systems to create resilient, high-performing supply chains. Our approach combines affordability and innovation, offering benefits comparable to wholesalers, if not surpassing them. One of our distinctive offerings is the introduction of a unique leasing model for high-tech Japanese-made equipment, tailored to the needs of our valued hospital clients ranging from physician offices to surgery centers.

A Comprehensive Range of High-Quality Products

Our comprehensive catalog boasts an extensive range of over 300,000 products, meticulously selected to meet diverse medical requirements. From personal protective equipment and diagnostic tools to diabetic supplies, surgical instruments, advanced wound care, and pharmaceuticals, we cater to a wide spectrum of medical needs. The products we offer match or even exceed the quality of leading national brands, and we stand behind our commitment with a steadfast 100% satisfaction guarantee.



Seamless Nationwide Distribution and Convenience

With a robust nationwide distribution network, we ensure efficient and timely delivery to 95% of our customers, maintaining an impressive 99.8% order accuracy rate. Additionally, we extend the convenience of patient home delivery for online orders, enhancing accessibility and ease for both healthcare providers and patients.

Enhancing Care Continuum Through Specialized Solutions

At MITORA, we understand the significance of specialized medical solutions for various care settings. Our tailored offerings cater to the distinct needs of different healthcare segments, including:

1. Supporting home health agencies, home infusion therapy, assisted living, and long-term care facilities with a range of products including wound care, nutritional supplies, CPAP essentials, and more. Our solutions aim to reduce hospital readmissions and elevate the overall quality of care.
2. Home Medical Equipment (HME): Empowering HME businesses to meet patient needs with our comprehensive wholesale catalog, spanning categories such as incontinence, diabetic supplies, and wound care.
3. Surgery Center Supplies and Services: Enhancing the performance of ambulatory surgery centers with quality surgical supplies, custom procedure trays, prescription drugs, IV sets, and orthopedic supplies. Our national distribution network ensures a seamless supply chain for surgery centers.
4. Physician Office Supplies: Ensuring that physician offices are well-equipped with essential medical supplies, from needles and syringes to exam gloves, masks, and vaccines. Our comprehensive range of products and pharmaceuticals supports effective patient care.
5. Health System Solutions: Redefining supply chain expectations for health systems, we offer patient-focused solutions and world-class distribution, creating a resilient and high-performing supply chain that enhances overall patient care

Enabling Excellence in Laboratory Services

Harnessing the power of ongoing testing and early detection, our comprehensive line of laboratory products and equipment empowers healthcare providers to enhance patient outcomes and reduce costs. Our robust portfolio includes everything from rapid test kits to clinical analyzers, enabling accurate diagnostics and coordinated care. With a strong commitment to quality, we support physicians and hospital labs in their mission to provide top-tier care and improve overall health.

Unlocking Potential Through Laboratory Excellence

Harnessing the power of ongoing testing and early detection, our comprehensive line of laboratory products and equipment empowers healthcare providers to enhance patient outcomes and reduce costs. Our robust portfolio includes everything from rapid test kits to clinical analyzers, enabling accurate diagnostics and coordinated care. With a strong commitment to quality, we support physicians and hospital labs in their mission to provide top-tier care and improve overall health.

Innovative Operational Collaboration Model (KSO / Kerjasama Operasional)

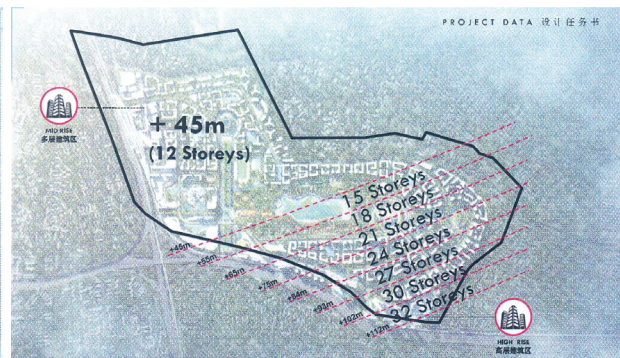
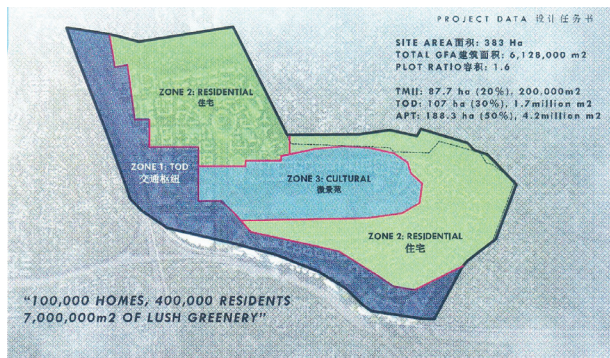
Recognizing potential financial constraints faced by hospitals, we introduce an innovative Operational Cooperation (KSO / Kerjasama Operasional) model. Under this collaborative approach, MITORA New Hope facilitates a solution to reduce the initial investment burden for medical equipment. Through an agreed-upon profit-sharing system, the KSO Company assumes financing responsibilities, fostering a mutually beneficial partnership. At MITORA, our commitment is to elevate healthcare access and enhance patient outcomes through cost-effective, innovative, and specialized medical solutions. Join us in shaping the future of healthcare delivery.

Pioneering a Smart City with Net-Zero Emissions

at TMII & The World and It's Surrounding Land [412 Ha]

We cannot solve climate change without transforming our cities and buildings. This requires massive efforts from the private and public sectors, but it is possible with today's technologies. Indonesia is optimistic of reaching a net zero emissions target by 2060 or sooner, a senior minister said after the government submitted updated nationally determined climate goals to the United Nations.

Industries are transforming their existing structures into smarter, high-performance buildings using real-time insights via edge technology. For decades, technological innovation has been revolutionizing businesses, offering them innumerable long-term benefits and growth. Now, these technologies are set to transform structures that form the foundation of cities and their development. Comparing the buildings of the present to what they were even a few years ago will show massive changes. Modern buildings are more than just four walls and a roof. Buildings today we see, are way more luxurious, comfortable, and improved. Over time, we see how buildings have transformed, developed, and upgraded into comfortable structures.



Taking the current scenario into consideration, people are highly demanding and impatient today. People demand everything to be delivered accurately within minimal time. The hunger for increased comfort and convenience is increasing day-by-day. Realizing people's needs, the building owners are finding new ways to align the priorities for gaining customer satisfaction.

Today due to the modern-age technologies, meeting people's demands is no more an issue. All we need to have is good knowledge of how technologies can be used appropriately. Taking a cue from the concept of smart cities construction sectors are trying to build connected and digitized buildings. Again, the idea of smart buildings was to provide comfort, convenience, security, and efficiency.

We use the structures that use digital technologies to automate, streamline, and improve internal building operations. In simpler words, smart buildings are nothing but transforming buildings in such a way they interact with the cloud. The infrastructure uses sensors, cameras, actuators to increase the structure reliability. At the time of emergencies, the buildings will analyze and respond accordingly.

Most of the buildings today are already deploying CCTV cameras, fire protection sensors, LED lighting retrofits. But with IoT, buildings can share comprehensive data that can help the building owners gain meaningful insights that would improve tenants experience, thereby enhancing ROI than the current applications.

Smart buildings: the benefits

Since smart buildings are centered around various technologies, they cannot anymore be looked upon as 'four walls and a roof.' They should actually be referred to as '*automated machines*.' With a simple touch on your smartphones, you can get the information about available free parking spaces. Or, if there is any technical glitch in the lift before it gets too late, the message will be sent automatically to the service officer. "*Efficiency, Predictive maintenance, Energy consumption, Optimized building wash*"

In today's world, comfort is the reigning king and convenience is the throne.

And smart buildings offer limitless promise and opportunities in providing both of these, along with extra safety, security, and efficiency. Smart buildings will most importantly maximize the flow of revenues for building constructors and end users alike.

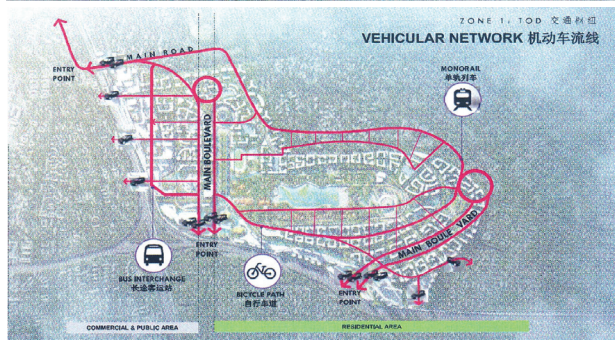
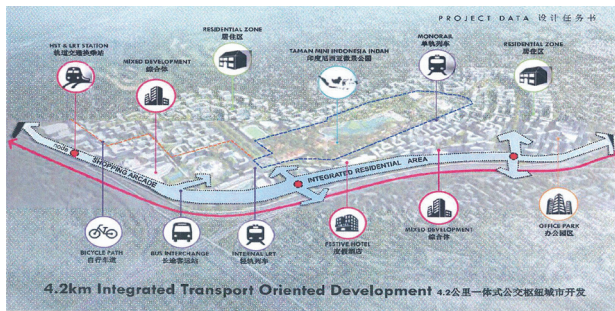
By extracting value from the smart building ecosystem, builders can enjoy exciting ROI benefits and tenants can customize the services according to their wish and budget. However, the dream of smart buildings cannot be accomplished overnight. Requirements and challenges should be analyzed regularly and gaps should be filled appropriately. With the right strategy, smart people, agile infrastructure, enough funds, and high-level security, the efforts of making buildings intelligent will be successful, for sure.

Designing healthier buildings to help people feel safe indoors.

The COVID19- pandemic is forcing us to find safer and smarter ways of building offices. Prefab construction powered by digital technology can help us safely create sustainable, high-quality building at speed. Using big data and artificial intelligence throughout the design and construction process can transform the building sector and help us provide sustainable, affordable building for all. "*The built environment is a first line of defense in a pandemic - it makes the difference between whether you get a disease that will kill you or not,*"

Integrated Transit-Oriented Development (TOD)

In our TMI & the World planning, transit-oriented development (TOD) is a type of urban development that maximizes the amount of residential, business and leisure space within walking distance of public transport. It promotes a symbiotic relationship between dense, compact urban form and public transport use. In doing so, TOD aims to increase public transport ridership by reducing the use of private cars and by promoting sustainable urban growth.



TOD typically includes a central transit stop (such as a train station, LRT or light rail or bus stop) surrounded by a high-density mixed-use area, with lower-density areas spreading out from this center. TOD is also typically designed to be more walkable than other built-up areas, by using smaller block sizes and reducing the land area dedicated to automobiles.

With pervasive wireless connectivity, buildings today generate tons of data that can be used to improve efficiency and sustainability. With substantial advancements in technologies, several new technologies are extending their helping hand to bring buildings to life. One such technology that is bringing in new waves of change is AI. AI and smart buildings are an ideal combination to streamline, optimize, and innovate the functioning of buildings. With AI and smart buildings combined together, building managers can ensure improved structural reliability and minimized harmful ecological impacts.

Capturing Savings

Smart buildings are a smarter choice due to three overarching ways they deliver next-level benefits: savings, security and sustainability. That's why many industries are transitioning existing buildings into smarter, high-performance buildings using real-time insights via edge technology. So much so, that a recent estimate forecasts the global smart buildings market will reach USD 165 billion by the end of 2027.

The technology that powers smart buildings leverages artificial intelligence and machine learning (AI/ML) to improve and optimize the use of resources. For instance, AI/ML can help reduce energy consumption for heating, ventilation and air conditioning (HVAC) and electrical systems. It does this by aligning building preferences and schedules to temperature, lighting and other controls.

Building maintenance costs can also be minimized via intelligent, proactive, predictive maintenance approaches. Sensor data and software-based algorithms help monitor the performance of building systems and help identify impending failures at the lowest cost of repair and before they can escalate into major expenses or events.

Fortifying Security

The capability to save resources and minimize costs provides tangible value across a host of industries. Working in tandem with these smart building savings is a newfound ability to enhance security. That's because edge technology and AI/ML enable 24/7/365 real-time monitoring and analysis. Smart buildings help to proactively secure building occupants with the continual monitoring and automation of access points using, for example, closed-circuit television and badge readers.

In addition to outside threats, advanced security devices and systems can help keep occupants safer from fires, manufacturing events and environmental concerns. Remote access, sensors and cameras using edge technology's real-time data help safeguard employees. Using intelligent information, smart building systems can pinpoint locations and assess event severity before a person attempts to enter a potentially compromised area.

Transforming Taman Mini Indah Indonesia into a Global Cultural Epicenter and Smart City

In its transformation into TMII and the World, the park will undergo a groundbreaking shift towards sustainability, aligning with the principles of a smart city. Net-zero emissions will be at the core of our initiatives, setting a new standard for responsible urban development. Embracing cutting-edge technologies, our smart city endeavors will leverage renewable energy sources, intelligent infrastructure, and innovative waste management systems to ensure a harmonious coexistence with nature.

As stewards of environmental consciousness, TMII and the World will champion a paradigm shift in consumption patterns. Our culinary offerings will predominantly feature seafood and meat substitutes sourced from our state-of-the-art AI-powered greenhouses. These facilities will cultivate agro products while minimizing the carbon footprint, contributing to the local food security and reducing dependence on traditional farming methods.

Furthermore, our commitment extends to global solidarity as we focus on bolstering climate adaptation and resilience measures. Collaborating with international partners, we aim to mobilize climate financing for developing nations, fostering a shared responsibility in mitigating climate change's impact. By championing sustainable practices, TMII and the World envisions a future where culture, technology, and nature coalesce to create a flourishing hub that celebrates diversity, innovation, and a greener world.

MITORA One-Stop Medical Clinic Jakarta

At Smart MITORA One-Stop Medical Clinic - We providing better medical facilities, comfort, care, and security to patients will make hospitals become the prime-time players among other hospitals. However, IoT, advanced technologies, and automation have opened up new opportunities for hospitals to fulfill patient expectations while improving the building connectivity. Schedule to automatically switch off lights when not required, control room temperatures according to patient's requirements, send messages for cleaning, notify the technical team about a medical device glitch, monitoring every occupied space. These benefits, plus energy savings, reliable building cabling, and infrastructure optimization will make hospitals smarter, sustainable, and active. Most importantly, our clinic will create an optimal environment where patients will feel more cozy, exactly as they feel at home.

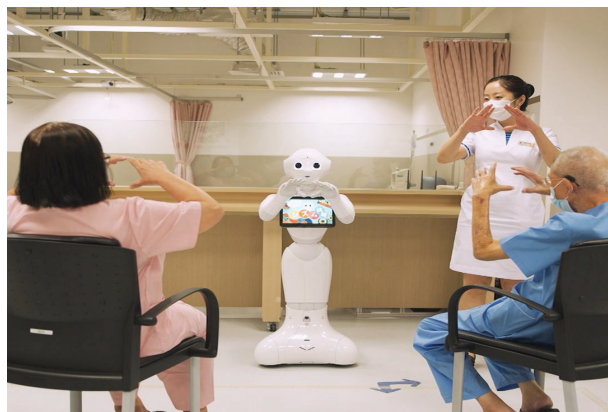
The MITORA One-Stop Medical Clinic is a haven of holistic healthcare and a gateway to cutting-edge Japanese medical technologies. Our unwavering commitment lies in bringing forth the pinnacle of Japanese medical expertise to Indonesia, catering to expatriates seeking a home away from home for health and well-being. Our vision transcends treatment, embracing a culture of wellness that enriches every aspect of life. With a steadfast focus on excellence, we heal and empower, collaborating with a distinguished Japanese Medical Team to offer precision, innovation, and compassion.

From diagnostics to treatment and prevention, our comprehensive approach addresses the diverse health needs of our patients. For expatriates, we understand that being in a foreign land can be daunting, especially when it comes to healthcare. Our clinic becomes your haven, where language barriers fade away in the face of our multilingual staff who are adept at ensuring seamless communication and understanding. Through partnerships with leading Japanese medical equipment manufacturers, we showcase groundbreaking technologies. This alliance brings futuristic medicine to your doorstep, revolutionizing your health journey.

The MITORA One-Stop Medical Clinic experience goes beyond the conventional patient-doctor dynamic; it's a collaboration built on trust, compassion, and a shared vision of holistic well-being. With each step you take

within our clinic, you embark on a journey towards renewed vitality, guided by the hands of skilled professionals who view you as more than just a patient – you're a partner in your own health.

Join us at the *MITORA One-Stop Medical Clinic* and step into a world where Japanese medical excellence merges seamlessly with Indonesian hospitality. Together, let's redefine the way we perceive health, and in doing so, create a life that thrives with vitality and wellness.



TMII and The World

The Culture Center of the World

Using digital tools to preserve important monuments and sites for future generations to explore Engaging with communities around the world for language preservation How AI can help revitalize more than 700 languages in Indonesia even fewer than 600 people who speak it as their mother tongue Creating ways for collections and archives to be more easily accessed and enjoyed.

Languages

Engaging with communities around the world for language preservation.

Historical artifacts

Creating ways for collections and archives to be more easily accessed and enjoyable.

Accelerating Sustainability

By enabling smarter buildings, edge technology is paving the way to a greener future. That's because many buildings today are energy inefficient. For instance, in Europe, about 75% of today's existing buildings are inefficient², with many relying on fossil fuels for heating and cooling instead of greener power sources, which contributes to emissions in cities. Smart buildings help reduce those emissions by improving the use of resources such as electricity and water. Edge technology and advanced analytics can transform existing buildings into smarter ones and equip new buildings with more intelligent, greener structures that align with sustainability goals. To further optimize sustainability, smart buildings will also communicate with other buildings, power grids and other ecosystem components to generate higher-order, collective benefits.

These capabilities are working today to help industrial manufacturers. In manufacturing, smart plants—whether stand-alone or as a connected grid-interactive community-use edge technology to bolster sustainability. For example, solutions help operators optimize energy usage during lower demand times. In turn, manufacturers can also return energy to the grid during times of peak demand. This helps to decrease energy costs and reduce carbon emissions.

Getting Smart Together

The far-reaching impacts of savings, security and sustainability make smart buildings a smarter choice. That's why edge technology solutions are the new bedrock of the infrastructure industry across manufacturing, banking, education, healthcare, retail and beyond.