



The well-designed facilities of Charm Premier Eifuku include a dining room which also serves as a training room where residents can undertake physiotherapy.

Mitsubishi Estate

Charm Premier Eifuku, Where Seniors Can Lead Active Lives

Mitsubishi Estate (MEC) group company Mitsubishi Estate Residence has begun developing healthcare assets such as private nursing care homes to address the needs of Japan's super-aging population. Charm Premier Eifuku, a private nursing care facility opened in Tokyo's Suginami Ward in March 2019, is the company's first project in this field (sold and delivered to Hulic Co., Ltd. in March 2020). It was opened as part of the Charm Premier Series developed by Charm Care Corporation, a senior facility management company with a long track record in this field. The home provides an environment in which seniors can live each day with vitality by offering "listening time," in which a concierge listens to the residents' life experiences, and physiotherapy programs tailored to the physical condition of each resident.

■ <https://www.mec.co.jp/e/sustainability/activities/aging-society/activity/>

NYK Line

Volunteer Point System Generates Donations for Five Charities

NYK Line (NYK) has made donations to five charities engaged in activities that promote education and provide support to children. Its Volunteer Point System was introduced in 2014 to encourage greater participation by the group's officers and employees in activities that contribute to society. During the 2019 calendar year, 392 staff members from 29 group companies participated in the system. Group companies and staff members who tally the most volunteer points are presented awards in recognition of their participation in a wide range of social activities, and the points are then converted into money which is donated to the charities chosen in a vote by the participants every year.



NYK president, center, with staff and company representatives being honored

■ https://www.nyk.com/english/news/2020/20200317_01.html

Tata Consultancy Services Japan

Digital Technology Keeps a Caring Eye on Senior Citizens

Senior citizen well-being monitoring services to date have suffered from the problem of the difficulty in ensuring the privacy of those using them. In Project SHINESeniors at the iCity Lab jointly set up with Singapore Management University, **Tata Consultancy Services (TCS)** is currently using digital technology and Internet of Things (IoT) to demonstrate an approach to monitoring that places no burden on the user. Compact sensors installed in walls, doors, taps, beds, fridges and other life goods in the homes of elderly people living on their own are used to monitor and detect abnormalities in their activities of daily living (ADL) pattern, a lack of movement or falls, and, if necessary, to urge the user to take their medicine.

Application of IoT through social-behavioral lens



Citizen as a producer for resilient cities



■ <https://icity.smu.edu.sg/node/996>

MUFG Bank

Ten Plus Ten: Childcare Leave Program for Promoting Male Participation

MUFG Bank, in the hope of establishing a workplace environment that allows both male and female employees in Japan to balance the needs of work and childcare, has since 2019 been more strongly encouraging male employees to take a part in childcare. The aim of the program was to encourage female employees to return to their workplace soon after childbirth and be able to carry out their work in the same way as before maternity leave. With the burden of childcare and housework seen as a woman's role, there are still many cases where it is the working wife alone who has to change the way she works. The company has now introduced the Ten Plus Ten program where male employees are strongly encouraged to take 10 days annual paid leave by adding to the 10 days of paid paternity leave and take about a month off in total. Around 100 employees of the bank have already taken this program. The company also conducts seminars for working parents looking at balancing the needs of work and childcare.



Feature

Support for Senior Citizens and for Childcare

Bringing up children and providing nursing care for elderly family members eliminate restrictive factors in these areas. From that perspective, society is social environment that encourages the elderly to live active lives and create In this feature we look at how Mitsubishi companies are working to

tend to be seen as domestic problems but it is the role of companies to being asked to provide high quality healthcare and welfare services, build a workplace environment that allows people to balance work and family life. realize a society in which the needs of work and life are well coordinated.

Mitsubishi Motors

Grants for Senior Citizen Sapo Car Purchasers

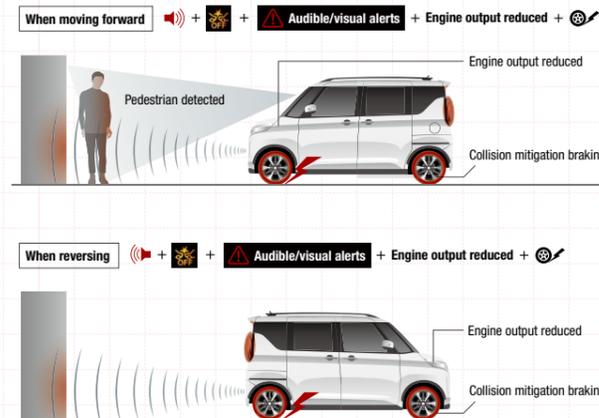
The Safety Support Car (Sapo Car) is a vehicle fitted with advanced technologies that support safer driving. This is a new vehicle safety concept being promoted by the Japanese government (METI and MLIT) and designed to prevent traffic accidents and to mitigate injuries to drivers, particularly older drivers. In Japan, **Mitsubishi Motors (MMC)** offers 16 Sapo Car models fitted with active safety technologies that include a Forward Collision Mitigation System, Ultrasonic Collision Mitigation System, Lane Departure Warning System, and Automatic High Beam. Sapo Car purchasers who are 65 or over are given an incentive of up to ¥100,000.



eK X SPACE

*Functions may differ with model.

■ <https://www.mitsubishi-motors.com/en/innovation/technology/library/e-assist.html>



How Emergency Assist for Pedal Misapplication works

Meiji Yasuda Life Insurance

Insurance Policy Covers Dementia Risk

Meiji Yasuda Life Insurance launched its Dementia Care MCI Plus Insurance in February 2020. At present, there is little prospect of a full recovery from dementia after the onset of symptoms. But it is now known that there is a possibility that one can prevent the progression of the symptoms or sometimes even recover to a better condition if the disease is in the status of mild cognitive impairment (MCI), by taking the right preventive actions. Given this, the new Dementia Care MCI Plus Insurance was designed to help the insured to prevent being dementia by assessing his/her cognitive capability and persuading them to take preventive action with "the Easy Brain Check smartphone app." It adds not only a dementia benefit, which mitigates the burden on the family of nursing care costs after the onset of dementia, but also an MCI benefit, which can be employed for preventing or delaying the progression of the disease, to the existing medical insurance.



The Easy Brain Check smartphone app (only available in Japanese) developed jointly by Tsukuba University and IBM Japan. Through a game, the app assesses the level of utilization of the brain and supports the user in formulating measures to modify behavior and prevent dementia.

World Scope

Mitsubishi Monitor introduces some of the latest news about Mitsubishi companies as they play an active role on the world stage.



Lactips biodegradable polymer pellets Lactips wrapping film for detergent powder

Investment in French Producer of Milk Protein-based Biodegradable Natural Polymers



Mitsubishi Chemical Holdings (MCHC), through its Silicon Valley corporate venture capital subsidiary Diamond Edge Ventures Inc., and French investment bank Bpifrance have recently invested in Lactips S.A. of France. Lactips produces bio-based polymers fully biodegradable in sea water and offering a range of features such as water solubility, gas barrier properties and edibility. They can also be processed for thermoforming, extrusion and other processes just like conventional plastics. MCHC and Lactips are working together to tackle the problem of global plastics contamination, especially the environmental impact of plastic waste on marine ecosystems.

■ https://www.mitsubishichem-hd.co.jp/english/news_release/pdf/00928/01067.pdf

Ranked 2nd Globally and 1st Among Japanese Firms in 2019 International Patent Applications



Mitsubishi Electric has ranked second globally and first among Japanese firms in terms of international patent applications filed in 2019, according to an announcement released by the Switzerland-based World Intellectual Property Organization (WIPO) on April 7. In its positioning of intellectual property (IP) as an important business resource and its aggressive linkage of IP activities and business and R&D strategies to support the company's sustainable growth, the company has been actively filing international patent applications in line with the continuing globalization of its business. It has ranked among the top 10 internationally for the past six consecutive years since 2014 and first among Japanese companies for five consecutive years. In recent years, the company's patent applications in support of IoT- and AI-supported solutions have been particularly prominent.



Mitsubishi Electric patent application totals and rankings

■ <https://www.mitsubishielectric.com/news/2020/0408-b.html>

Digital Solutions for Geothermal Power Plant in Mexico



Mitsubishi Hitachi Power Systems (MHPS), a part of **Mitsubishi Heavy Industries (MHI)** group, has concluded a contract to install its MHPS-TOMONI® digital solutions service at the Domo de San Pedro Geothermal Power Station in southern Nayarit, Mexico through its group company Mitsubishi Hitachi Power Systems de Mexico. This is the inaugural application of MHPS-TOMONI® at a geothermal power plant, and will allow real-time monitoring of the plant's status and performance. The goal is to maximize the efficiency of O&M (operation and maintenance), while extending the intervals between regular inspections, resulting in an overall improvement



© Image courtesy of Grupo Dragon

Domo de San Pedro Geothermal Power Station

of operation and performance of the power plant.

■ <https://www.mhps.com/news/20200325.html>

Reusing Disaster Waste from Typhoon 19



The cement company of **Mitsubishi Materials (MMC)** on March 27 started to accept at its Aomori Plant rice straw waste from Matsushima-machi, Miyagi-gun, Miyagi Prefecture caused by Typhoon 19 (Typhoon Hagibis), which hit the region in October last year. Rice straw that was being dried after harvesting in the Matsushima area was washed away when agricultural land was inundated in flooding from local rivers. The Aomori Plant is due to accept some 1,000 tons of such rice straw. The rice straw will be used as a substitute fuel for generating thermal energy in the manufacture of cement, and the ashes left after incineration will be reborn as reconstruction material.



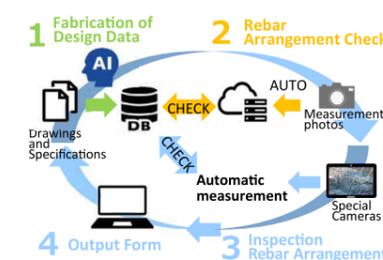
Unloading bags from truck

Rice straw waste collected from fields

Joint Development of Rebar Inspection System Using AI Image Analysis



P.S. Mitsubishi Construction (PSM), in a consortium of 20 companies including Toda Corporation and Nishimatsu Construction Co., Ltd., has signed a contract to jointly develop a Concrete Rebar Inspection System that uses AI-based image analysis. The companies has been pursuing R&D in the area since April 2019. The aim of the project is to achieve an efficient and accurate inspection of concrete rebars without having to rely on the skill level of the construction supervisor and to develop a system that supports the correct placement of rebars at the construction site. The project is developing a system which integrates two functions: a rebar arrangement check function using a tablet device; and a rebar inspection



The rebar inspection system in use

function using a special camera to improve efficiency. The project is scheduled to begin on-site testing this fiscal year.

Expanding Capacity at Overseas Electronics Materials Subsidiary



Mitsubishi Gas Chemical (MGC) has expanded the production capacity at MGC Electrotechno (Thailand) (MGC ETT), a subsidiary company of MGC's subsidiary MGC Electrotechno (MGC ET) in Japan, that produces BT laminate materials for semiconductor packages. MGC ET, as the mother factory, puts new products into large-lot production and undertakes the production of cutting-edge, high-performance products as well as the small-lot production of a wide range of products. MGC ETT undertakes large-lot production of a narrow range of products. Since 2013, MGC has been creating a global supply system for BT laminates around this two-hub production system. The installation of additional production facilities at MGC ETT will allow MGC



to promote growth in its business by expanding demand and actively acquiring new business.

■ <https://www.mgc.co.jp/eng/corporate/news/files/200414e.pdf>

Support for Vietnamese Coffee Plantations in Acquiring Rainforest Alliance Certification



Kirin Holdings, as part of a commitment made to Vietnamese farmers to increase sustainability and to allow the stable use of quality materials well into the future, in April started support for coffee plantations in their efforts to acquire Rainforest Alliance certification. Similar support by the company for tea plantations in Sri Lanka since 2013 has culminated in 87 major tea plantations, some 30% of the total, acquiring certification as of the end of 2019. The company is now extending the experience and knowledge gained in Sri Lanka to coffee plantations in Vietnam.



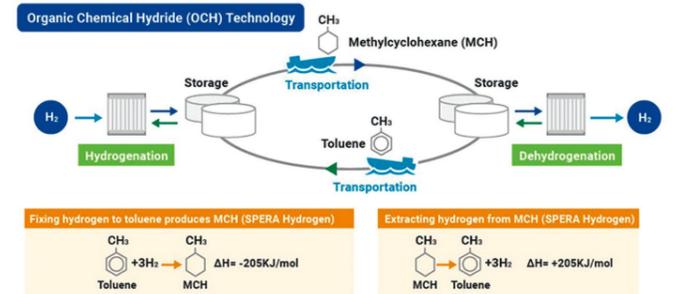
Coffee plantations in Vietnam

*The activity in Vietnam had been limited for a few months because of COVID-19, but we began training session and workshops with local farmers from this June.

Working with Singapore Companies on a Sustainable Hydrogen Economy



Mitsubishi Corporation (MC) has signed a Memorandum of Understanding (MoU) with its affiliate Chiyoda Corporation (Chiyoda) and five local companies on the joint development of a sustainable hydrogen economy in Singapore. The five local partners are City Gas Pte Ltd, Jurong Port Pte Ltd, PSA Corporation Limited, Sembcorp Industries Ltd, and Singapore LNG Corporation Pte Ltd. Under the MoU, the parties will cooperate in helping Singapore realize its Long-Term Low-Emissions Development Strategy (LEDS) for a competitive and sustainable future. The five local companies will collaborate closely with MC and Chiyoda in evaluating the technical and commercial feasibility of hydrogen, and in developing businesses for its use in Singapore. Chiyoda's SPERA Hydrogen® technology for the storage and transport of the gas is expected to play an important role in the venture.



Chiyoda's SPERA Hydrogen® system

■ <https://www.mitsubishicorp.com/jp/en/pr/archive/2020/html/0000039621.html>

Global Spotlight focuses on employees from the Mitsubishi companies who are excelling in their respective fields around the world. In each issue we will get to know different employees, who will tell us about their hometowns, businesses, culture, and pastimes.

from
the USA



Greetings from New Jersey, the Garden State of America

Cities, shorelines, and plenty of food

I live in New Jersey, a small northeastern, coastal state, located within an hour of two major American cities, New York City to the east and Philadelphia to the west, just far enough away from the cities to have some peace and quiet. In the summers, when we need a vacation, many people steal away to the Jersey Shore, home to about 40 different beach towns across more than 130 miles of Atlantic shoreline. With more than 700,000 acres of farmland, New Jersey has earned the title “Garden State,” with farmers most known for their blueberries, corn, and tomatoes. Our towns are dotted with multicultural restaurants. Should say: along with local eats, including pizza shops, bagel joints, delis, and most famously, diners. We are also proud of New Jersey-born superstars Bon Jovi, Bruce Springsteen, and Meryl Streep.



Beautiful coastline



One city I have visited with MUFG



Our bank and my job

Based in New York City, I've been with the firm for almost two and a half years as a member of the Corporate Communications team, supporting internal and external communications across our Global Corporate and Investment Banking and Global Markets businesses. In my role, I work with colleagues across the enterprise, regionally and internationally. One part of my role is to manage client events, industry sponsorships, and branding

for the Securitized Products, Capital Markets, and Sales and Trading business units. In my first year, I was lucky to travel to five cities with MUFG that were all new places to me, and I connected with many new MUFG team members and industry peers along the way. Even during this period, MUFG colleagues are joining together, virtually, to stay connected and make a difference. I am excited to be working with fellow colleagues on several virtual fundraising events to give back to our local and global communities impacted by COVID-19. From Day One, I've been proud to be part of an organization that values my contributions, supports me taking on new opportunities, and fully commits to the success of its employees, clients, and communities.



Our dog Theo

Getting outdoors and trying new things

Growing up on a farm in rural New Jersey, I have always had a great love for animals and being outdoors. Whenever I visit my friends in their cities or we travel to new ones together, I always like to spend time outside, whether it's hiking on trails, boating on the water, or just strolling through city streets — blue skies and sunshine are good for the soul. During the workweek, I usually make plans to get dinner with friends and always like to try something new. This year I went to my first afternoon tea and also tried oysters (separate occasions!). To unwind, I like to read, watch TV, listen to music, and clean. In the wake of COVID-19, I am thankful to be at home with my family. We are cooking, walking our dog Theo, FaceTiming family members, and enjoying the extra time we wouldn't normally have together. I hope everyone is keeping happy and healthy.



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Vietnam, the World's Leading Heritage Destination



Hanoi and Ho Chi Minh City, our two largest cities

My country, Vietnam is home to eight amazing UNESCO heritage sites, which you might have heard about, including: Ha Long Bay, Hoi An Ancient Town, Trang An Landscape Complex, and Thang Long Imperial Citadel. The attraction of Vietnam is not only in its amazing landscapes but also in the friendly people and the beauty of its everyday life.



A view of Hanoi and one of the city's specialties, egg coffee

The two largest and most well-known cities of Vietnam are Hanoi and Ho Chi Minh City. It might be easy to assume that the two cities of a small country should be very similar; however, it is not true if we compare Hanoi and Ho Chi Minh City.

I live with my family in Hanoi, a thousand-year-old city with surprisingly charming mossy streets, and home to some of the best foods in the world. In Hanoi, you can easily be attracted by the old looks of the French-style buildings looming behind the shimmering new towers; enjoy a hot bowl of “Pho” (noodles, usually served with beef or chicken) for breakfast or a traditional strong Vietnamese coffee on



A view of Ho Chi Minh City

the sidewalk of an ancient street and feel how life goes on slowly and peacefully.

Ho Chi Minh City, meanwhile, is a typical dynamic Southeast Asian city. It is the financial center of Vietnam, and a city where you can find shiny new skyscrapers adding to the skyline, yet be welcomed by smiling, friendly people. Ho Chi Minh City can be a great starting point if you would like to travel in Southeast Asia.

Vietnam, an emerging market in Southeast Asia

Not only a good destination for tourism, Vietnam is also one of the most dynamic emerging economies in the Southeast Asia region, supported by robust domestic demand, export-oriented manufacturing and attractive conditions for investment. Acknowledging the potential of Vietnam, Mitsubishi Heavy Industries established its first liaison office in Ho Chi Minh City in 1994, then the Hanoi Liaison office in 2006, followed by two manufacturing plants for aircraft parts and diesel generators as part of MHI's global supply chain management. Since their establishment, MHI Vietnam offices have been contributing to the presence of MHI by supplying various kinds of products such as thermal power plants, diesel engines, machine tools, air-conditioning systems, forklifts, etc.



With members of my great team

I joined MHI Hanoi in April 2007, almost one year after the establishment of the office. I am lucky to be a part of a small but amazing team, where we are happy to share work discussions as well as daily life's difficulties and happiness. Over the years working with MHI in the marketing section, I have enjoyed good opportunities to learn about different products, from SpaceJet to mass transit systems and recently thermal power plants with its systems and technologies. Vietnam is growing fast, seeing energy demand increase at approximately 10% each year. Therefore, in the coming year, we will continue to make our best efforts in new power generation projects, as well as the power services business. My work with MHI has provided me the chance to visit factories and plants. I have met many engineers who created all the innovative and advanced products with passion and pride, much like raising their own children. It has been very inspiring to me and has kept me going in my last 13 years with Mitsubishi Heavy Industries, and hopefully more years ahead.