



FUKUOKA Smart EAST

The Future of Living



What does the future hold for Japan?

What social problems await us in the future?



Japan is said to face a range of societal issues, including a shrinking and aging population, a declining birthrate, and energy and environmental issues. By 2036, for example, one in three people will be elderly, a change expected to affect society as a whole. There are also concerns over labor shortages due to declining birthrates. Moreover, although technology is spreading throughout our everyday lives, the importance of cyber-security and need for telecommunications backups and energy in the event of disaster are increasing. It is therefore necessary to resolve these issues as we continuously develop as a society.

How can we solve these problems?



Advanced technologies and landmark ideas collectively known as "innovation" hold the key to finding the solutions. Examples include automation through artificial intelligence (AI) and robotics that allow cars once driven by humans to drive themselves, as well as remote diagnostics made possible through dramatic improvements in image and audio quality.

Creating a city to be proud of in Fukuoka Smart East

The Fukuoka Smart East initiative has already begun taking on the challenge of cutting-edge urban development that will resolve a variety of societal issues through new technologies and innovative ideas.

⊗ Sudden power outages

The popularization of electric vehicles, artificial intelligence (AI) appliances, smartphones, and other devices has made daily life very convenient. However, power outages can impact every aspect of our lives from transportation, shopping, and crime prevention.

⊗ Sudden injury or illness

An increasing number of elderly people live alone. Such people can be at risk if their health deteriorates or they suffer sudden injuries and fail to receive aid; a situation that can even result in death in worst case scenarios.

⊗ Frequent traffic congestion

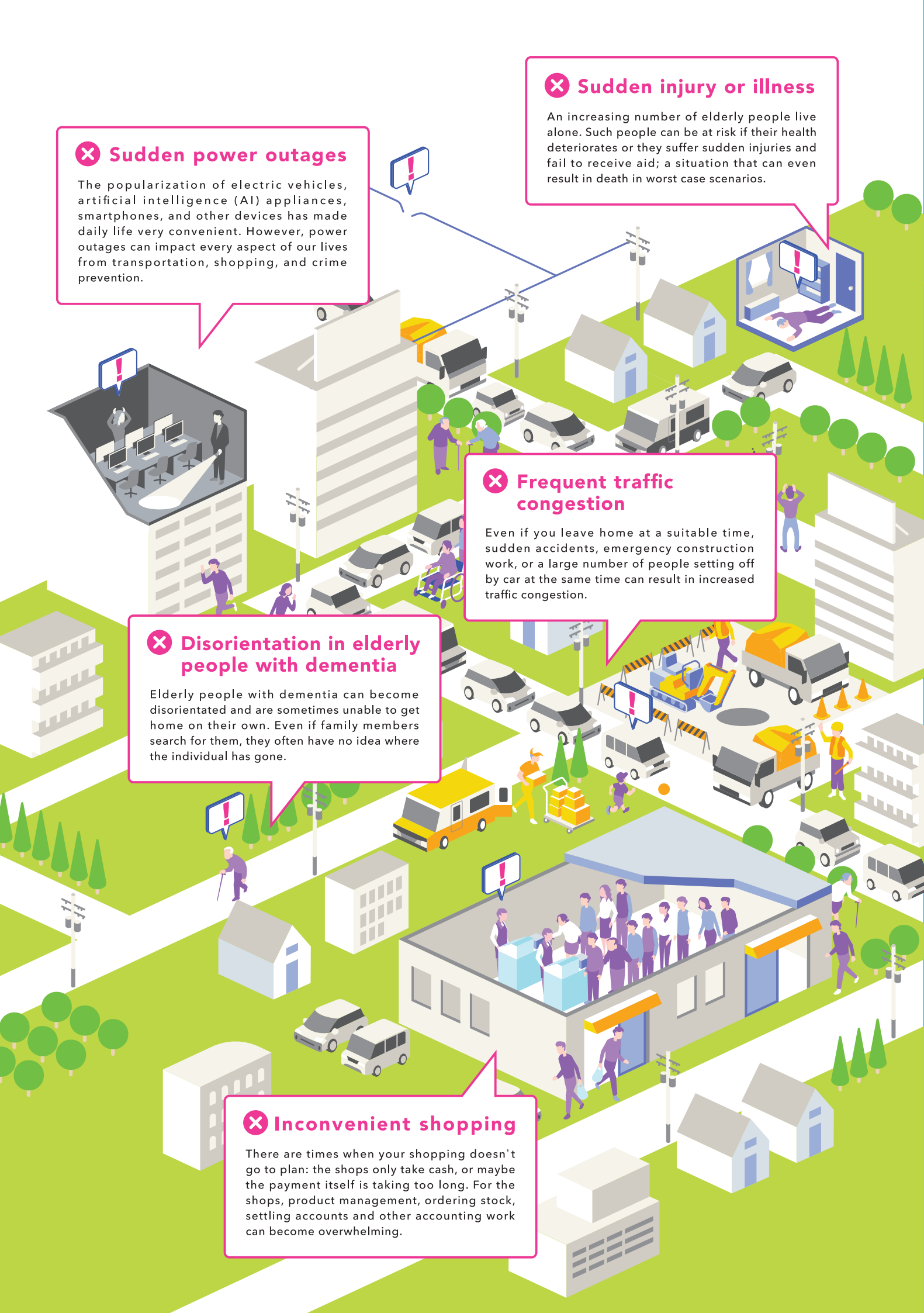
Even if you leave home at a suitable time, sudden accidents, emergency construction work, or a large number of people setting off by car at the same time can result in increased traffic congestion.

⊗ Disorientation in elderly people with dementia

Elderly people with dementia can become disorientated and are sometimes unable to get home on their own. Even if family members search for them, they often have no idea where the individual has gone.

⊗ Inconvenient shopping

There are times when your shopping doesn't go to plan: the shops only take cash, or maybe the payment itself is taking too long. For the shops, product management, ordering stock, settling accounts and other accounting work can become overwhelming.



✓ An age of shared vehicles

The era of community vehicle sharing is coming. This not only will relieve the shortage of parking spaces in cities, but will also remove the need to purchase individual automobiles.

✓ Efficient mobility using self-driving cars

Self-driving cars will detect traffic lights and road congestion, calculate the optimal route and provide a safe and comfortable driving experience. Self-driving community buses will also support mobility for the elderly, allowing residents to go out as they like.

✓ Exercise with ease

You can work on your fitness wherever and whenever you like, such as at home or in a park, using your smartphone or smartwatch. You can receive your own personalized menu suited to your needs.

✓ Peace of mind through personal monitoring systems

Sensors throughout the city will monitor the elderly or children who have lost their way. The system will also offer protection against accidents and anyone suspicious, giving people increased peace of mind.

✓ Utilizing hydrogen energy

Using hydrogen energy will enable long-term storage of large amounts of electricity. Moreover, fuel-cell vehicles that run on hydrogen emit only water, making them environmentally friendly.

✓ Packages delivered by drones

Packages will be able to be delivered by drones simply by entering the destination into your smartphone. This makes deliveries possible even when the recipient is not at home, allowing people to leave the house without worrying about delivery times.

✓ Safe spaces in times of emergency

Normally bustling open spaces that host a variety of events, these spaces will be furnished with solar and hydrogen power generators and storage batteries, and can be utilized as safe spaces for residents and visitors during a disaster or emergency.

✓ Convenience with AI appliances

One example of the conveniences afforded by artificial intelligence (AI) appliances is notifications from an AI refrigerator about food items close to expiration. This will help reduce waste.

✓ Work from various locations

Next-generation communication technology will enable a range of working styles that accommodate individual lifestyles, including working remotely.

✓ Smoother shopping

Sensors in shops will detect shoppers and products, letting people shop without waiting in checkout lines. Taking orders and payments will be simpler for shops as well, and stock management systems based on data will reduce surplus stocks and product disposal.

A conceptual map of our future

Have you ever pictured a future in which everyone can live with peace of mind, thanks to innovative ideas and technology? Take a look at a city where people and technology coexist. Technology will assist people and help compensate for changes in society, such as changes in the population structure as the elderly population increases significantly and the working population declines. As lifestyles become more convenient through these innovations, people will have more leisure time and be better able to live a happier life in the way they choose.

What is Fukuoka Smart East?

Fukuoka Smart East is a revolutionary project to create a model city for the future. The project will overcome urban and social development challenges such as Japan's aging population and declining birthrate, while continuing to develop sustainably by introducing cutting-edge technological innovations that create comfortable and high-quality lifestyles and urban spaces. As its first pioneering initiative, the project will begin with the urban redevelopment of Hakozaki.

Initiatives in Hakozaki

Direction of urban development in Hakozaki

The Fukuoka Smart East project will create a new center for innovation, leveraging brand awareness as the spot where Kyushu University once stood, and also the advantages offered by expansive land and transport access. The development will create high-quality, comfortable lifestyles and urban spaces in a city that can meet the challenges of producing innovation, while also respecting the history and culture of Hakozaki. This will be a city future generations will be proud of.

Objectives of urban development

To generate new vitality and interactions

To create an environment for substantive education and research to nurture young people.

To live safely, with peace of mind and comfort

To value historical cultural resources

To coexist with the environment and create a sustainable city

An expansive site in an excellent location

The Hakozaki district is an expansive site of 50 hectares, a distance similar to that of from Tenjin to Hakata Station. The site is close to the downtown Tenjin and Hakata Station areas, and the major transport hubs of Fukuoka Airport, Hakata Port and Hakata Station are within a roughly 4 km radius. The Nishitetsu Railway, subway, and JR train lines also run close by, giving this convenient location excellent access.



Planning and Production

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