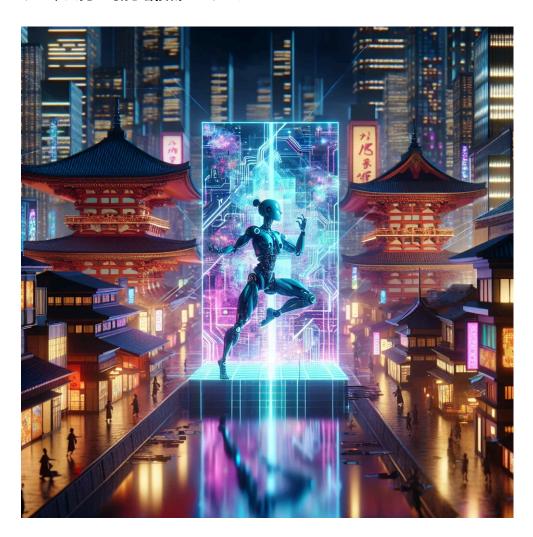# JINES Golbal PROJECTS - Drive to the next level globally !

◆日本人発の最先端技術コンテンツ

We introduce Japanese projects to all over the world.

Japan's Leading-Edge Technologies and Representative Products

- Innovative Technologies in the Automotive Industry
- All Solid battery that does not burn
- ●All-solid battery is highly safe and significantly reduces the risk of combustion compared to conventional lithium-ion batteries. High energy density enables long-distance driving. Lightweight solar panels (perovskite) - Can be attached to the body to improve vehicle energy efficiency. Can be attached to the body, improving the energy efficiency of the vehicle.

- Evolution of Robot Technology
- Personal Assistant Robot Equipped with advanced AI, this robot supports various tasks in the home.

- Example: Softbank's "Pepper" has an emotion recognition function and communicates with users. Automated industrial robots are introduced to solve labor

shortages in the manufacturing industry. Examples: Robots from Fanuc and Yaskawa Electric perform tasks at high speed and with high precision.

- Digitalization of Manga and Anime
- Digital comic platforms
- Manga is becoming more popular in the digital domain and is also expanding into overseas markets. Examples: LINE Manga and Comic Seymour provide an environment where people can easily enjoy manga on their smartphones.

- Use of AR (Augmented Reality) technology

- -AR (Augmented Reality) technology is used to enhance the visual experience by incorporating AR technology into manga and anime. Example: Characters can appear when a specific QR code is scanned.

- Web3 and Blockchain Technology
- -Use of NFTs (non-substitutional tokens) ・Japanese artists and creators sell their own digital art as NFTs. Example: NFT art themed on traditional Japanese culture is popular at domestic and international events. Development of blockchain-based applications is progressing. Example: dApps from Japan provide data transparency and create new business models.
- Further Evolution of Automated Driving Technology

- Innovations in the Medical Field
- Gene Editing Technology
- - Gene editing using CRISPR technology is revolutionizing medical research. Example: Development of treatments for specific genetic diseases is underway. Advancement of healthcare devices Wearable devices are becoming widespread, enabling real-time monitoring of health data. Example: Smart watches that measure heart rate and blood glucose levels are attracting attention.

- Mouthbotics technology in the food industry
- ●Automated agricultural robots ●Transportation robots for food processing plants AI-based quality control robots Recipe-based cooking robots Automated delivery robots for delivery tasks
- AI-based personalized medical platforms
- Propose personalized treatment plans based on patients' genetic information Provide instant diagnosis and medical advice using AI according to symptoms Track treatment progress in real time and adjust treatment based on data Develop health management apps that take into account patients' lifestyles and preferences Provide online consultation services in collaboration with medical institutions
- Educational systems using virtual reality
- Interactive history education experience Science experiment simulation using VR Virtual field trip for geography learning Real-time discussion in virtual classroom VR art production workshop in art education
- Development of environmentally friendly alternative fuels
- Development of biomass-derived fuels Evolution of fuel cell technology using hydrogen energy Construction of fuel generation systems using waste materials

Research on synthetic fuels using renewable energy Widespread use of biodiesel made from fish oil and vegetable oil.