

Case studies of web3 social implementation – freebit Edge LLM

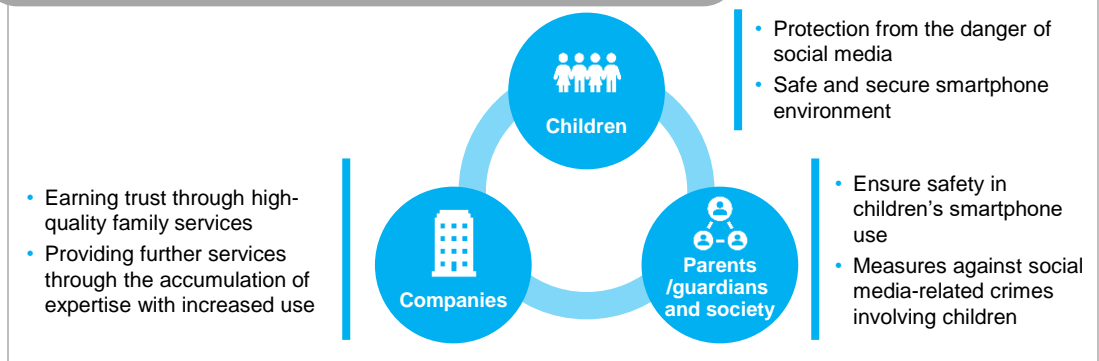
Development of freebit Edge LLM as a generative AI solution

- Large language models (LLMs) are faced with various challenges, including huge energy consumption, risks of data leakage and fraudulent access, and security and privacy concerns.

The FreeBit Group has developed a proprietary, safe, and secure smartphone-based LLM that consumes low amounts of energy and in which data does not leave the smartphone.*¹ The plan is to link this LLM with an existing TONE Mobile service to build a system in which AI determines*² levels of risk in children’s use of social media and notifies the parent or guardian.

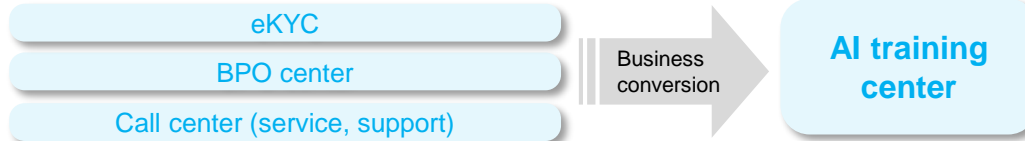
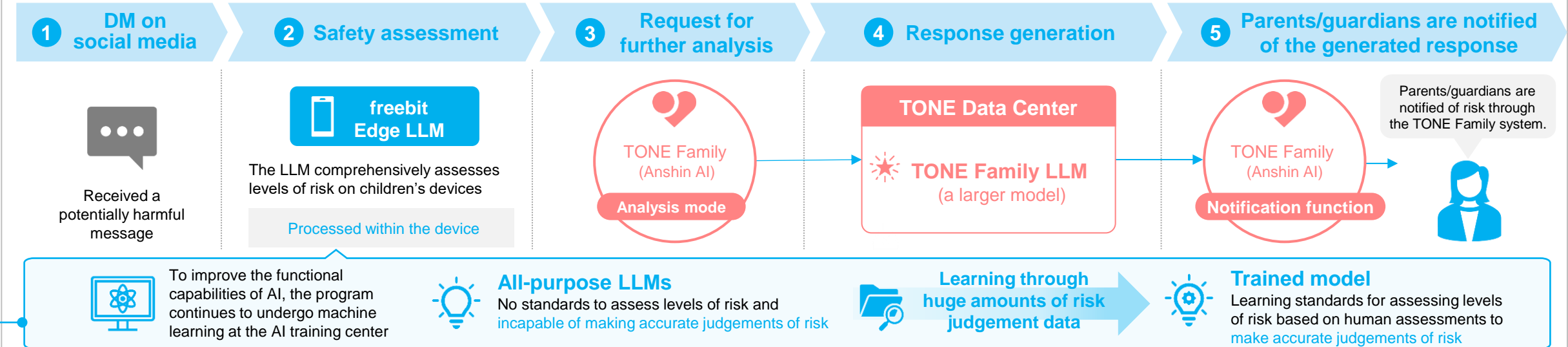
- To advance the functional capabilities of AI, the program is undergoing regular machine learning at the AI training center. Freebit Edge LLM can also be linked with external LLMs to enhance its functionality.

freebit Edge LLM’s “good for all parties”



freebit Edge LLM scheme

A model that works with external LLMs to generate more detailed responses (set by parents/guardians)



*1 Data does not leave the smartphone
If a message is deemed dangerous, the results are communicated to the parent/guardian (including the message itself). Until the parent/guardian deletes the result, it is stored on a server contracted to the FreeBit Group.

*2 AI determines levels of risk
Decisions made by freebit Edge LLM are only AI’s own calculations, and do not guarantee levels of risk, the accuracy of decisions, or results. AI decisions may be influenced by bias and hallucinations based on learning data.

Case studies of web3 social implementation – Collaborative medical information platform

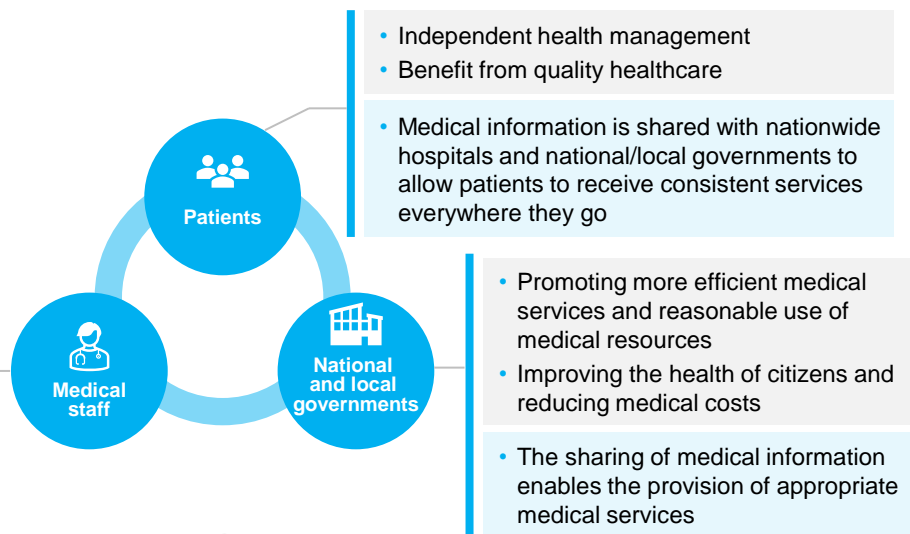
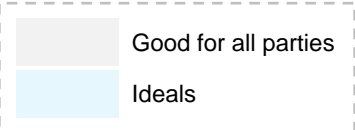
Social implementation of medical DX/Trusted Web using web3 – joint research and development project with Fujita Health University Hospital

Healthcare’s “good for all parties”/joint research and development ideals

- A project in collaboration with Fujita Health University Hospital that aims to build a platform and create a service for the use of big data in medicine (RWD)
- The aim is to digitalize medical services in line with the principles of the Healthcare DX Reiwa Vision 2030



- Using Japan’s Trusted Web concept and decentralized identifiers (DIDs) based on web3 technologies, the plan is to develop a system that makes it possible for patients to carry their own healthcare information
- The aim is to reduce risks such as privacy infringements while enhancing the reliability of data and transactions and ensuring the safe and liberal management and sharing of information



- Ensuring faster diagnoses and improving accuracy and efficiency
- Promoting use in research and development
- Medical information is linked to individual patients, eliminating any information disruptions and enabling the provision of more efficient medical services

- Independent health management
- Benefit from quality healthcare
- Medical information is shared with nationwide hospitals and national/local governments to allow patients to receive consistent services everywhere they go

- Promoting more efficient medical services and reasonable use of medical resources
- Improving the health of citizens and reducing medical costs
- The sharing of medical information enables the provision of appropriate medical services

Using web3 technologies, we will aim to facilitate the secure and convenient sharing of medical information between patients, hospitals, research institutes, and national/local governments

- Medical data management system using web3 technology
- Unified ID system using the Individual Number system

Benefits of joint research and development

- By combining web3 and other technologies with the huge amount of medical data held by Fujita Health University Hospital, the aim is to build an innovative medical data management system
- Individuals will be able to manage their own medical information and share information such as their treatment history and diagnoses with each medical institution to improve the efficiency and quality of medical care

POC (Proof of Concept) 1 testing



Fujita Health University PHR* app

- A PHR app developed in-house based on the Trusted Web structure is loaned out as a set together with a TONE device
- Patients can view medical data from their homes



- The solution will help to address issues such as the lack of medical resources and streamlining
- The use of digital technologies will help to both improve the quality of medical services and reduce costs

With significant advantages for patients, medical institutions, national/local governments, and numerous other stakeholders, the FreeBit Group will make major contributions to the future development of the medical industry

*PHR (personal health record): medical data that records an individual's health and physical information

Case studies of web3 social implementation – StandAlone

StandAlone: An original web3 community app for creators

StandAlone's "good for all parties"/ideals

- StandAlone aims to build a new creative ecosystem by enhancing direct interactions between creators and their fans

Transition to web3

Creators

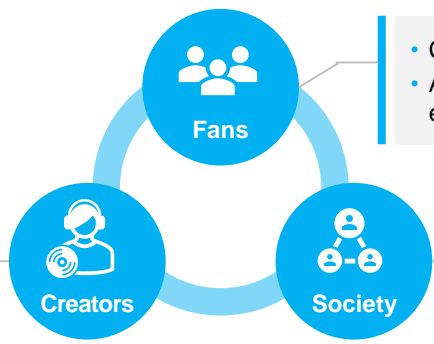
Creators have full control of their own work and profits

Fans

Fans can make bigger contributions to support their favorite creators

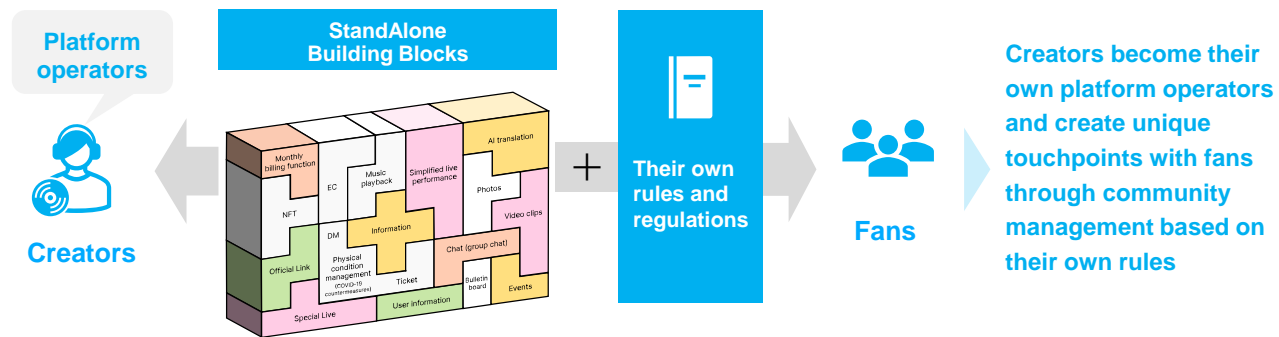
▶ The focus will be on the creation of a safer, easier-to-use platform and the development of vibrant DAO communities

- Improved transparency with the ownership and monetization of work
- Promoting creators' independence and financial self-reliance



- Close support of artistic activities
- Achieving a greater fan experience

- Promoting the discovery of new talent and diversity
- Eliminating intermediary costs and ensuring efficient resource distribution



Future developments



Short term

- Aim to build a web3 and DAO platform, form a DAO between creators and fans as a pilot project, and work to improve and enhance the system
- Provide programs to improve understanding of web3 and DAO concepts among creators and fans and create a support system for DAO participants

Long term

- Support domestic and overseas expansion of communities through enhanced AI translation functions to link global creators with fans from across the world, and roll out a diverse range of services for both creators and fans on a global scale
- ▶ Support creators' global-scale activities and aim to develop solutions to global social issues through B2C2C (Business to Creator to Consumer) services that enable direct communications from the creators

List of ongoing StandAlone apps

| | | | | | |
|---------------------------------------|--------------------------------------|----------------------------------|---------------------------------------|-------------------------------|-----------------------|
| Kentaro Sakaguchi info.s | Eiji Akaso EAWD | Maika Yamamoto Mk.ZeRo. | Airu Kubozuka AIRU | Takato Nagata NAGATOWN | To Taro TOTARO |
| Play.Goose P.G @STAND ALONE | Hikari Kabashima Hikaridayori | Kenichi Ikezoe TEAM KEN.1 | Ryusei Sakai RS Jockey Room | Aoto Watanabe BLUE | |

Global creator support/web3

Released app for **Dean Fujioka's** fan community "FamBam" to facilitate direct communication with fans across the world, as a collaboration that fully supports the provision/development of IT platforms including web3 technologies

In the future, while supporting connections between diverse individuals through web3-based mutual contribution systems and AI technologies, we will aim to roll out systems for the autonomous development of trustworthy web3 and blockchain technologies