

G7 Cybersecurity Seminar Cybersecurity Initiatives at Minna Bank

2023.5.9

01 About Minna Bank

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About Me

Name : Akira Takahashi



Job :

Cybersecurity Group Managing Director @ Minna Bank

Security Group Lead @ Zerobank Design Factory

Other :

Head of Incident Response Working Group @ Financials ISAC Japan

Steering Committee Member of Security Subcommittee @ Jagu'e'r

- **Certifications**

CISSP、CEH (Certified Ethical Hacker) 、CompTIA CySA+、Registered Information Security Specialist (IPA、Japan) 、
Google Cloud Professional Cloud Architect ...

- **Hobbies**

Beer、Rugby、Whisky、Camping、Running (Marathon)

01

— About Minna Bank

Minna Bank is Japan's First Digital Bank

Banking License

Acquired a banking license on **December 22, 2020** from the Financial Service Agency of Japan

Business Launch

Commenced commercial operations **on May 28, 2021**

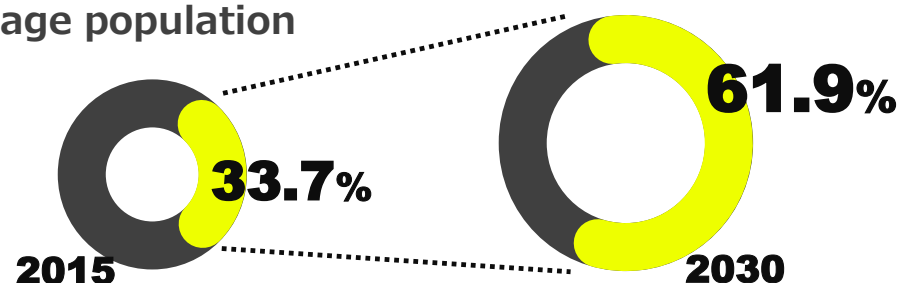
Banking systems

Developed digital banking system from scratch in partnership with Accenture and running on Google Cloud. **Running entirely on the public cloud - a first in Japan**

Target segment

Digital natives (Millennials and Gen. Z) 10's ~ 30's

60% of work age population



Mission

"Deliver valuable connections to everyone"

Vision

To achieve its mission, Minna Bank will pursue a vision of creating new value through new financial functions beyond the business domain of conventional banks. It will serve as an entity that connects people, goods, money, and information.

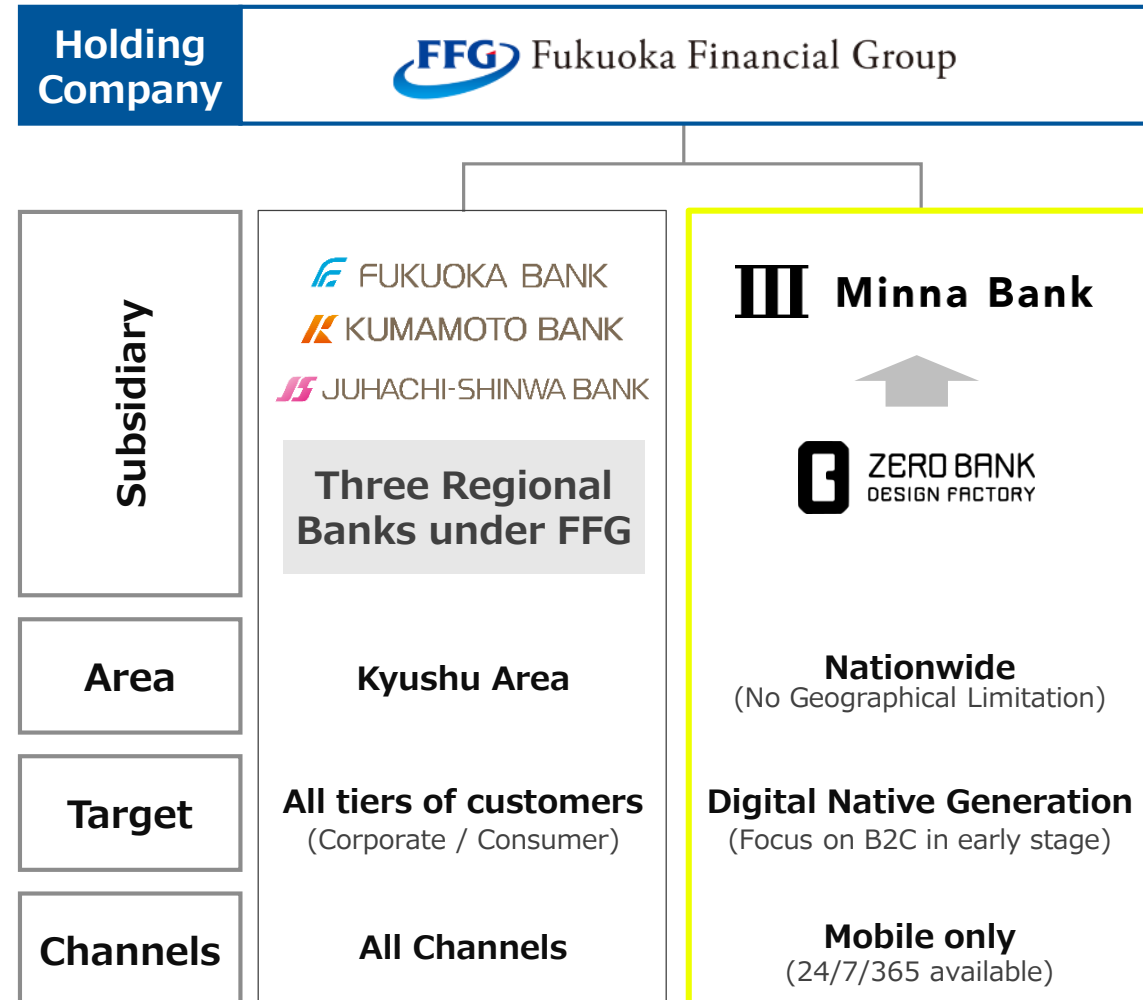
Values

1. Break away from the trappings of conventional banking
2. Focus on uniqueness
3. Extend trust and be trusted in return



FFG is Japan's largest regional financial group

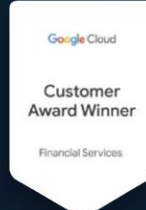
Established	April 2, 2007			
Listings	Tokyo Stock Exchange Prime, Fukuoka Stock Exchange			
Market capitalization	576.3 billion yen (as of February 8, 2023) Ranked 227rd on the TSE Prime Section out of about 1,800 companies			
Number of employees	7,830 (as of March 2022)			
Financial data (FY2022)	Total assets	: 29,171.9 billion yen		
	Total loans	: 16,703.6 billion yen		
	Total deposits	: 20,085.8 billion yen		
	Consolidated net income	: 54.1 billion yen		
Rating		R&I	JCR	Moody's
	FFG	A+	A+	-
	Bank of Fukuoka	AA-	AA-	A3
	Kumamoto Bank	AA-	AA-	-
	Juhachi-Shinwa Bank	AA-	AA-	-



III Minna Bank



- Minna Bank's operations are all done via the mobile app
 - Exclusively digital banking services
 - Downloaded **over 1.5 million times** (as of March 1, 2023)
 - Received **18 awards** (as of March 1, 2023)
- Cloud-native backend taking full advantage of Google Cloud
 - Core banking system
 - ZeroBank BaaS platform
 - Implementation started in **2021**
 - Achieved FAPI certification on **July 6, 2022**
 - Microservice architecture



EFC AWARD



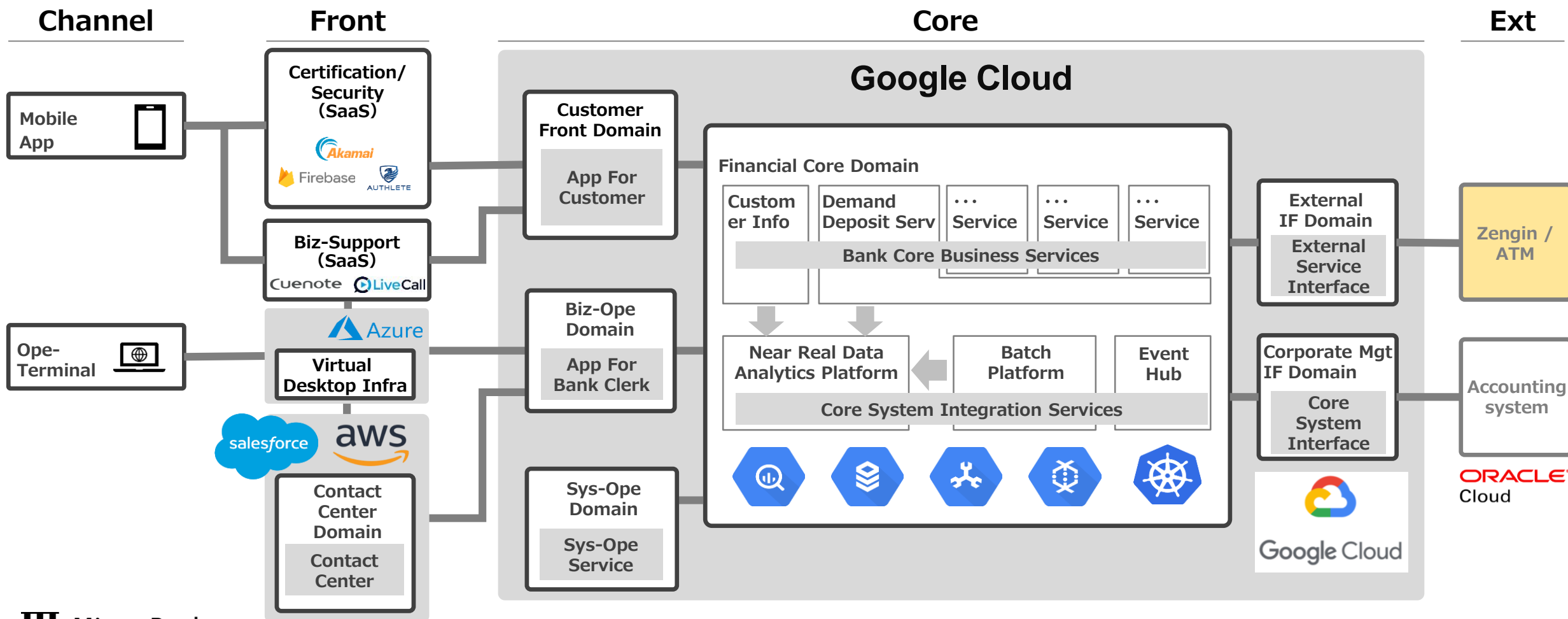
TOKYO CREATIVITY AWARDS

02

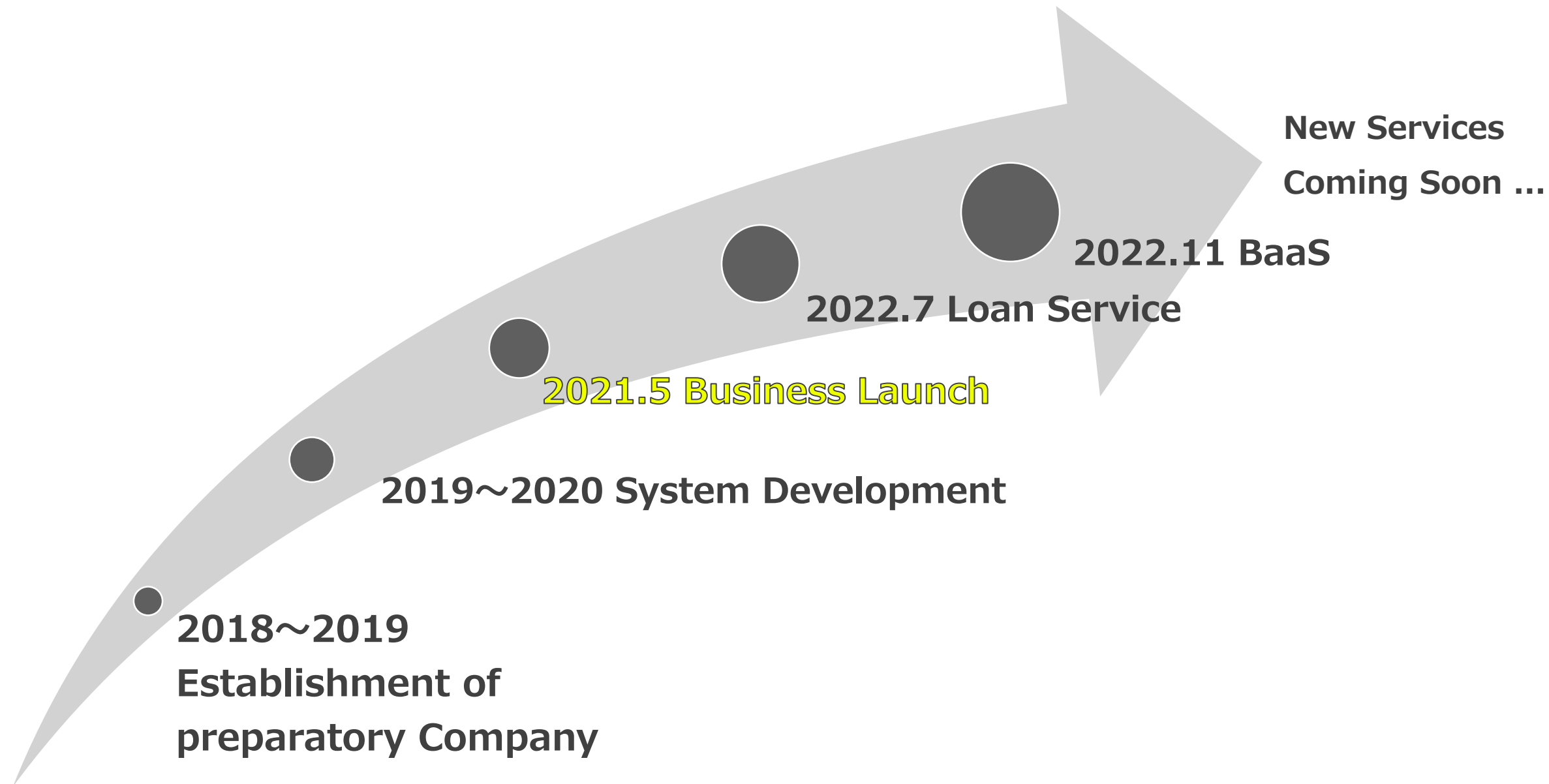
— Our Banking System & Building Security

Banking System at Minna Bank ~Everything in the Cloud~

- Core Banking System : Google Cloud
- Other Systems : Azure, AWS, Oracle Cloud, Salesforce ...



Timeline



Approaches to Building Security

Steps to build security for opening Minna Bank

- 1 **Assessment**
 - Standard of FFG
 - FISC Security Guidelines on Computer Systems for Financial Institutions
- 2 **Threat Analysis**
 - STRIDE
- 3 **Design and implementation**
- 4 **Third-party evaluation**
- 5 **Correction of findings and implementation of additional measures**

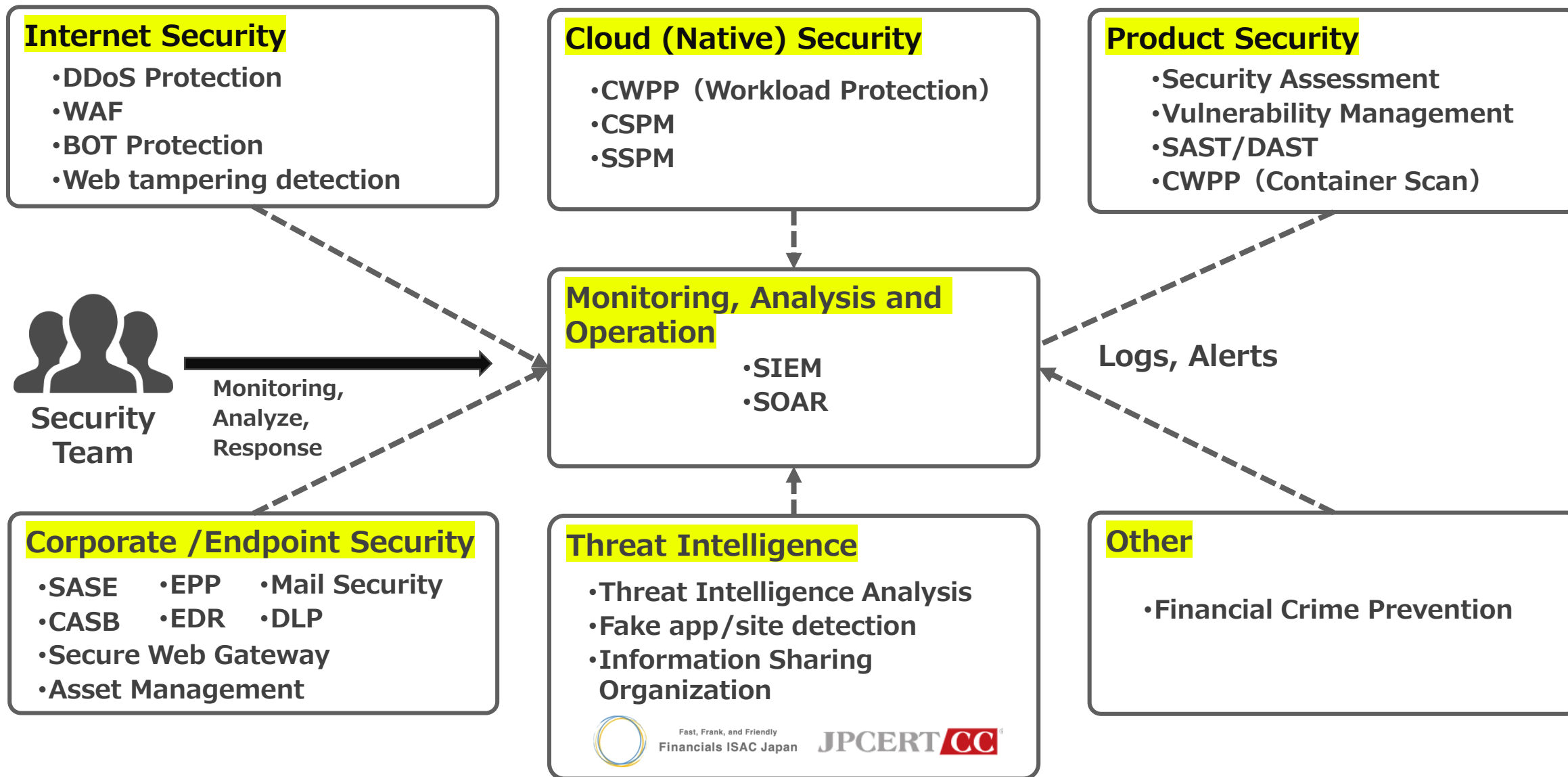
**Close cooperation
with FSA**

Acquired a banking license

Closed beta

Business launch

Security Team Policy : "Do whatever we can."



03

— Public/Mutual Assistance for Resilience

For “Our” Resilience

- **Fighting Cyber Attackers ...**
 - **Endless**
 - **Disadvantage**
 - ✓ **Organization**
 - ✓ **Specialization**
 - ✓ **Our limitations**
 - **Assuming intrusion of cyber attackers**

Self-help is not enough...

For "Our" Resilience

- **For Financial Institutions in Japan**

Public assistance : FSA e.g. DeltaWall

※DeltaWall : Cybersecurity Exercise

Mutual assistance : Financials ISAC Japan



Fast, Frank, and Friendly
Financials ISAC Japan

- Information sharing about cybersecurity
- Working for manuals, skill-up, exercise ...

"We" fight together.

Thank you !