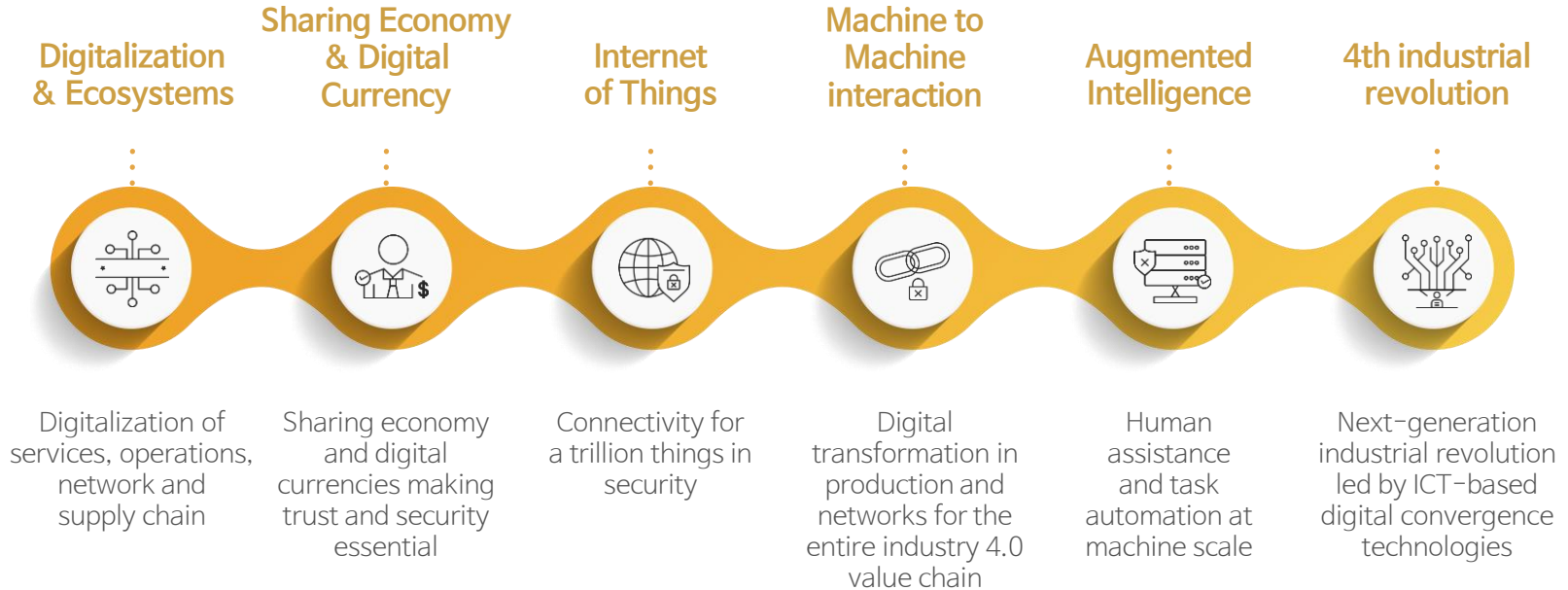



**More secure authentication
in daily life and business**





Megatrends are changing the world, and the ways we authenticate in it





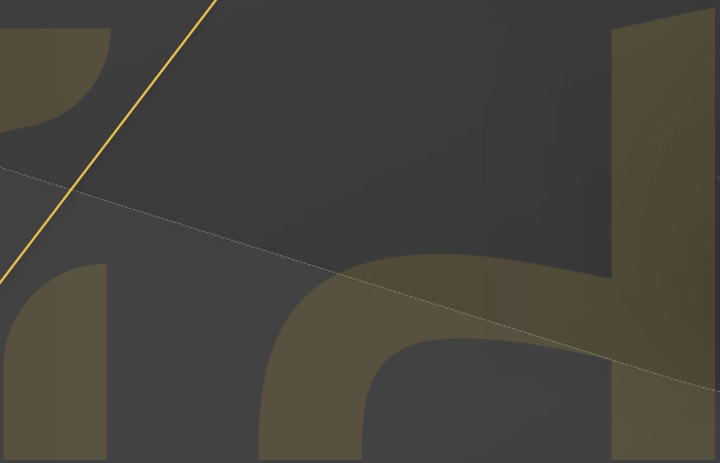
We are capitalizing on the megatrends with our 'Authentication Innovation in Cybersecurity' strategy





We create authentication technology
for every digital identity in daily life,
business, and even in the
off-the-network environment.

Why switch?





- To meet today's demands while preparing for tomorrow, you need a strategic authentication partner



Innovation Enabler

We help our customers create innovative technologies that will transform the daily lives of everyone in the world



No concerns over
authentication on
cybersecurity



Unprecedented
authentication
technology experience



Borderless Business

While meeting the standards required by each country, our technology will become an essential tool that is not limited to a specific country and can exist anywhere in the world like 'Oxygen'.

⋮ Country

We are not limited to a country or continent

⋮ Infrastructure

Our technology works even in the off-the-network environment

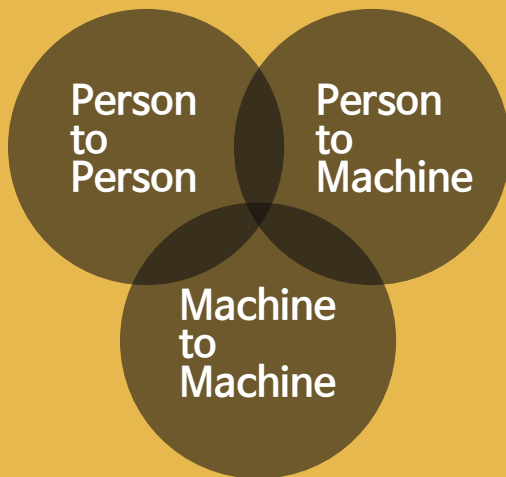
⋮ Industry

We are ready in all products and services that require authentication



Game Changer

Our technology revolutionises fraud-free communication to allow more opportunities



How

we lead
the innovation of authentication
on cybersecurity



Today, we face cyber-attacks around the world once every 39 seconds

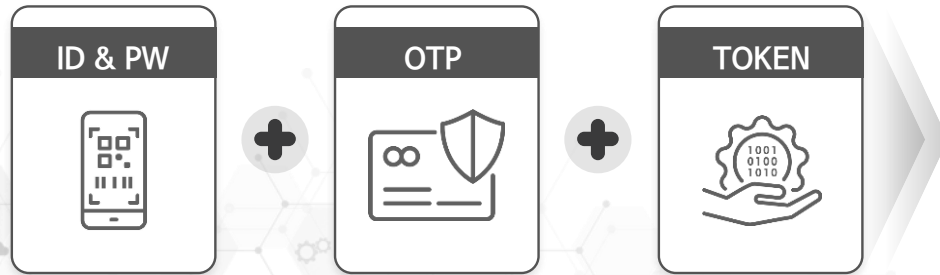
- Risk of static information such as card numbers, ID & password, and PINs
- Complex authentication process including OTP
- Cellular network connection distress for token exchanges on authentication



Reliable and secure authentication
is essential
in today's world

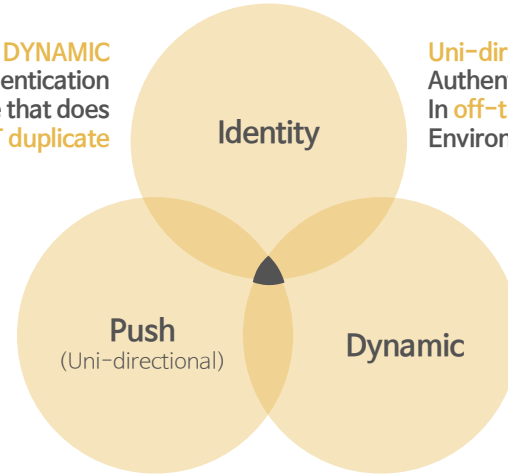
swIDch's OTAC technology combines advantages of the three most common authentication systems

user ID/passwords, RSA hardware/software for generating authentication codes, and tokenisation



DYNAMIC
Authentication
Code that does
NOT duplicate

Uni-directional
Authentication
In **off-the network**
Environment



DYNAMIC CODE that is
Sufficient to **IDENTIFY** user

We provide One-Time Authentication Code (OTAC) to keep users safe from hacking and leakage



Strong security

- Passwordless Multi-factor Authentication
- No identity theft and CNP(Card-not-present) frauds by completely eliminating the attack surface



Scalability & flexibility

- The lightness of OTAC enables applications in multiple industries and not limited to devices



Seamless Integration

- Use of API/SDK to bring simple and frictionless integration for IT admins



Cost saving

- No need to build heavy token infrastructure
- Save costs associated with network traffic, maintenance, and fraud compensation

OTAC algorithm generates a single dynamic code that both identifies and authenticates the user without a network connection

Dynamic ID

- ✓ Constantly changing RANDOM CODE
- ✓ Cannot be reused

Networkless

- ✓ Eliminates access surface from hackers
- ✓ Works in harsh environments, better UX

Uni-Directional

- ✓ User can be identified with code alone
- ✓ Low Latency
- ✓ Low power consumption

Cost saving

- ✓ No need to build heavy token infrastructure
- ✓ Save costs associated with network traffic, maintenance, and fraud compensation

Local Generation

- ✓ Significantly lower load on the servers
- ✓ No code management from servers
- ✓ Cost saving

Deploying our technologies in major markets across multiple industries

Improving lives and businesses with OTAC



Payment



Connected Car



IoT



Drone



M2M



IAM



Military

Even in a critical digital environment, the OTAC algorithm benefits businesses by **increasing efficiency, reducing costs, and improving user experience (UX)** whilst providing the highest level of cyber security.

Top technology talent

- 25% of the annual budget on R&D
- R&D professionals
(Two-thirds of members are seniors with over 10 years of experience)
- Innovation + Collaboration

Who we are





Our company at a glance



226

The number of
patent
applications

71

The number of
patent
registrations

259

The number of
intellectual property
rights

50+

Clients
served

Authentication Solution of the
Year & Overall Fraud Prevention
Solution Provider of the Year

of the 4th and 5th annual CyberSecurity
Breakthrough Awards

Cybertech
100

of the Cybertech 100 in 2021 and
2020

Hottest
Cyber Startup

of the Europas Awards 2020

An unrivalled track record of innovation

6 Global-scale awards winner

12 Acceleration programmes

3 Global technology competition finalist



2022 Gold GLOBEE Award winner for 'Startup of the Year'



2 x Cyber Security Break Through Award Winner 2020 & 2021



2 x Cybertech 100 in 2021 & 2020



Hottest Cyber Startup of Europas 2020 Awards



3+ years of career success

Dec
2018

Established
'swIDch'
in London, UK

2019

- Launched swIDch card beta service
- Business agreement with NatWest (RBS group) in UK
- **GEP (Global Entrepreneur Programme) in UK**
- UK FCA (Financial Conduct Authority) Innovation Hub
- **LORCA (UK cyber security innovators programme)**
- VISA Everywhere Initiative (VEI)
- NatWest/RBS accelerator programme
- Conclusion of MOU with Doku
- **Supplied OTAC technology to DOKU, Indonesia**
- PoC Agreement with Peruri for MFA

2020

- Accenture Innovation Fintech Lab
- Cyber 101 accelerator programme (part of UK Gov. funded programme for cybersecurity startups)
- Cybertech 100
- XTC (Extreme Tech Challenge) Finalist
- **Hottest Cyber Startup of Europas 2020 Awards**
- PoC Agreement with Peruri for Recharge Token
- Plug and Play's fintech development programme (Silicon Valley 12 Batch)
- **Provided OTAC technology certified by Indonesian Tax Service**
- **Winner of 'Certification Solution of the Year' at CyberSecurity BreakThrough Awards**
- 'Cyber@Station F by Thales' finalist
- PITCH finalist at Web Summit 2020

2021

- Cybertech 100 2021
- swIDch Auth SDK launching
- **Winner of 'Overall Fraud Prevention Solution of the Year' CyberSecurity BreakThrough Awards**
- Selected as part of F10 acceleration program
- **Selected for UK Governments Innovate UK Smart Grants 2021**
- Joined Plexal Cyber Runway

2022

- Selected as part of Innovate UK Edge accelerator
- Selected TOP 50 for LG Nova accelerator
- Won Gold GLOBEE Award for 'Startup of the Year' 2022
- Joined Orange Fab Asia accelerator

with much more
to come...

A powerful leadership team

Chang Hun Yoo

Founder & CEO

Over 21 years experience in security
OTAC algorithm developer



swIDch a SSenStone Company



Soyeon (Gloria) Kim Head of Business

Extensive experience scaling tech-based companies by operating multiple accelerating programs under Korean public institutions



Sangchual Cha HOE

Head of Engineering with 20+ years of software engineering experience handling mission critical requirements



Su Hyun Luquet COO

Ex-Investment Director of Culross Global Investment and Samsung Life UK



Mina Im Head of Operations

Finance, accounting & operations professional with over 14 years experience

SSenStone



Min Ju Kim VP/CCO

KISIA Board Member
Former S3I CMO
Awarded by Ministry of Science and ICT in Korea



Wan Kyu Lim COO

Over 25 years of experience



Tae Kyun Chung (Karl) CSO/CIPO

Over 10 years of experience
as IT Patent attorney



Min Kyu Kim CTO

17 years experience as a security solution developer, Worked with the CEO past 13 years



swIDch Auth SDK

SSenStone is the parent company of swIDch, proving its technological prowess and growth potential by taking first place with the best score in the "Baby Unicorn 200 project" of the Ministry of SMEs and Startups, Republic of Korea. Consisting of cybersecurity experts with over 10 years of experience, SSenStone continues to research and develop technologies that provide safer and more convenient identification and authentication between humans and devices or devices and devices in a rapidly changing ICT environment. For further information, please visit the official website of SSenStone: www.ssenstone.com/eng/

swIDch launched its all-in-one authentication software development kit, swIDch Auth SDK, providing simpler, faster, and safer authentication in cybersecurity to be applied in a variety of industries from enterprise solutions to customer access management systems. The product launch is designed to help System Integration (SI) companies, security solution vendors, organisations and enterprises implement reliable, robust and efficient authentication security technology. To find out more visit the website: <https://www.swidch.com/solution/swIDchAuthSDK>



The logo for 'swidch' is displayed in a sans-serif font. The letters 'sw' and 'ch' are white, while the 'id' is a bright yellow. The background is a dark grey with a large yellow curved shape on the right side.

swidch

www.swIDch.com

Contact us at info@swidch.com