

# **Mobile Connect & PASS Solution**

**Mobile Connect Summit  
Istanbul, Turkey  
10<sup>th</sup> 11<sup>th</sup> of October 2018**

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# **1. T Authentication**

## About SK Telecom

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**South Korea's number 1  
telecommunications provider**

**Subscriber : 29M  
Market share : 50%**

### Expertise

SK Telecom is South Korea's largest telecommunications carrier providing 600 million authentications to 30 million users annually. It has the extensive authentication experience in partnership with public institutions, financial institutions such as banks and credit card companies.

### Convenience

SK Telecom provides T authentication services to MNO and over 32,000 service providers. It provides the fastest and easiest interface and the know-how to the service provider.

### Cooperation

SK Telecom provides a stable platform that constructs a collaborative system for MNO and Service Providers using expertise founded on the years of experience.

# About T-Authentication

## Brief introduction of the T-Authentication Service

Identity authentication application with mobile phone numbers provides easy, safe and reliable services to end-users and corporate customers.

### Application



#### Log in

Log in, Sign-Up  
Reset Password



#### Money Transfer

Online banking  
(e.g., transfer, loan  
exchange)



#### Payment

Used for authentication of  
Samsung pay, Kakao  
pay, Naver pay etc.

### Technology



mobile connect

LoA 2, 3, 4

Identity GateWay

#### Biometrics Authentication

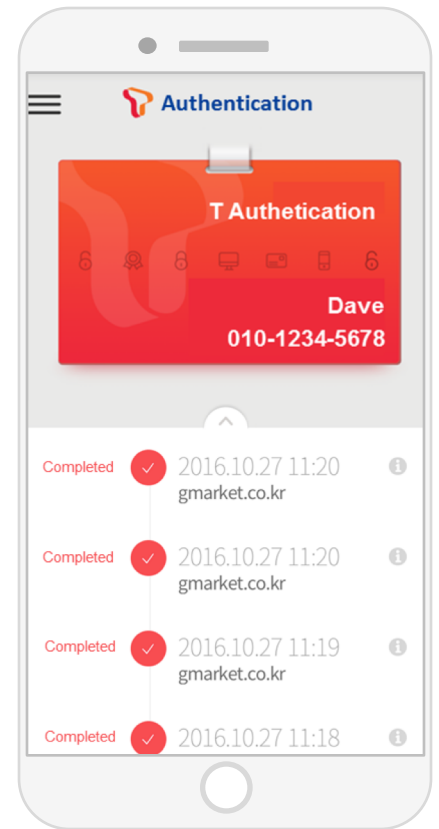


### Status

Handling  
65M Authentications  
per Month

T Authentication  
App Users 10M

32,000 partner  
companies

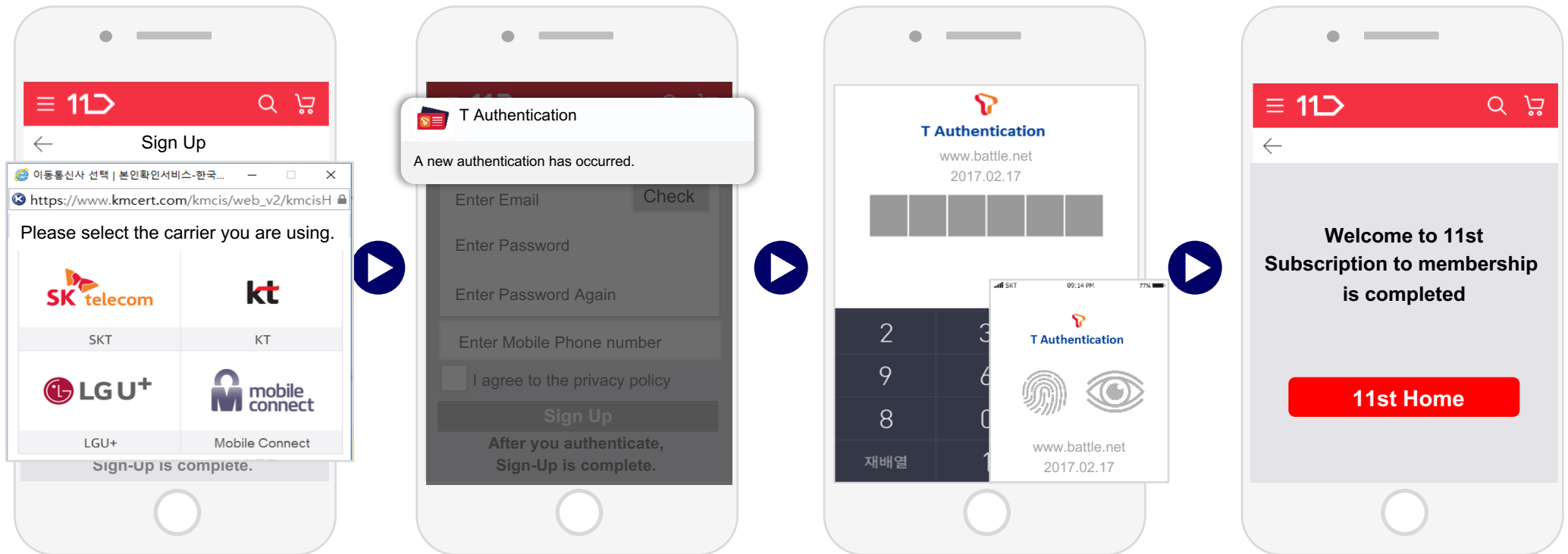




# Process



**Log in (Sign-up)** - Use your phone number to authenticate yourself and verify ownership of your phone number (prepaid phone also available).



Input information and sign up

Request and request verification  
using phone number

T Authentication

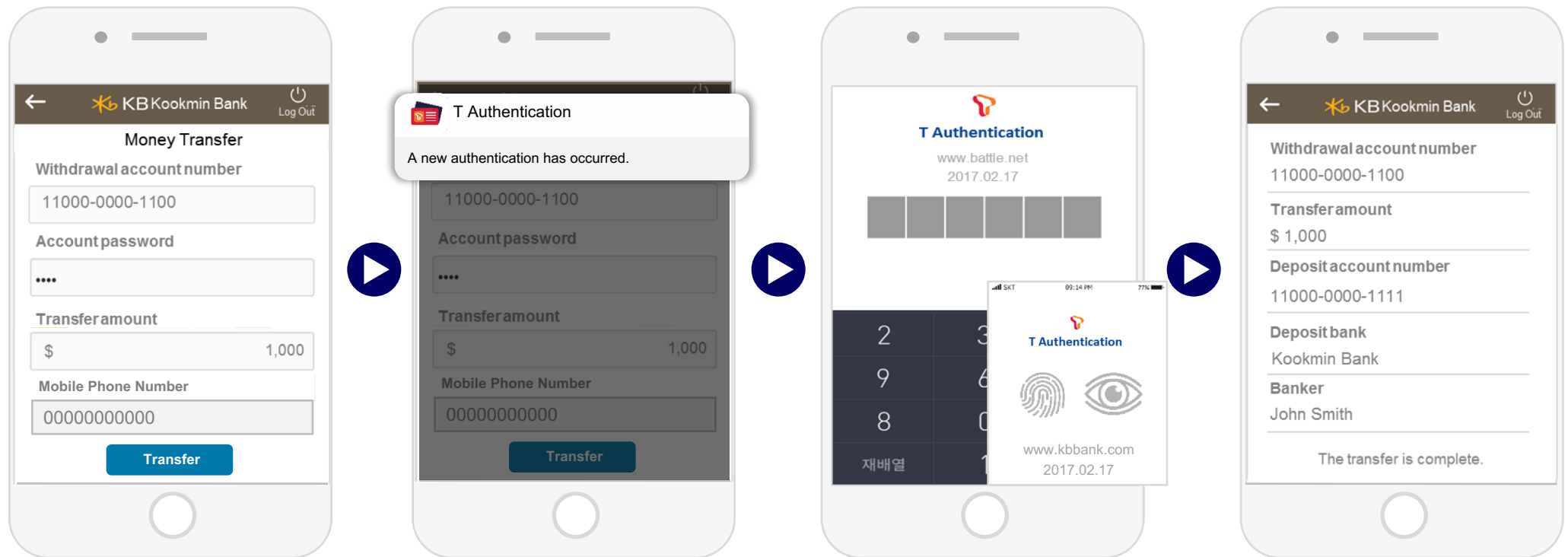
Signed up

\*Identity authentication is required to join Battle.net in South Korea

# Process



## Money Transfer - Use your phone number to authenticate yourself and Prevents transfer accidents



Input information  
and click 'transfer'

Request and request verification  
using phone number

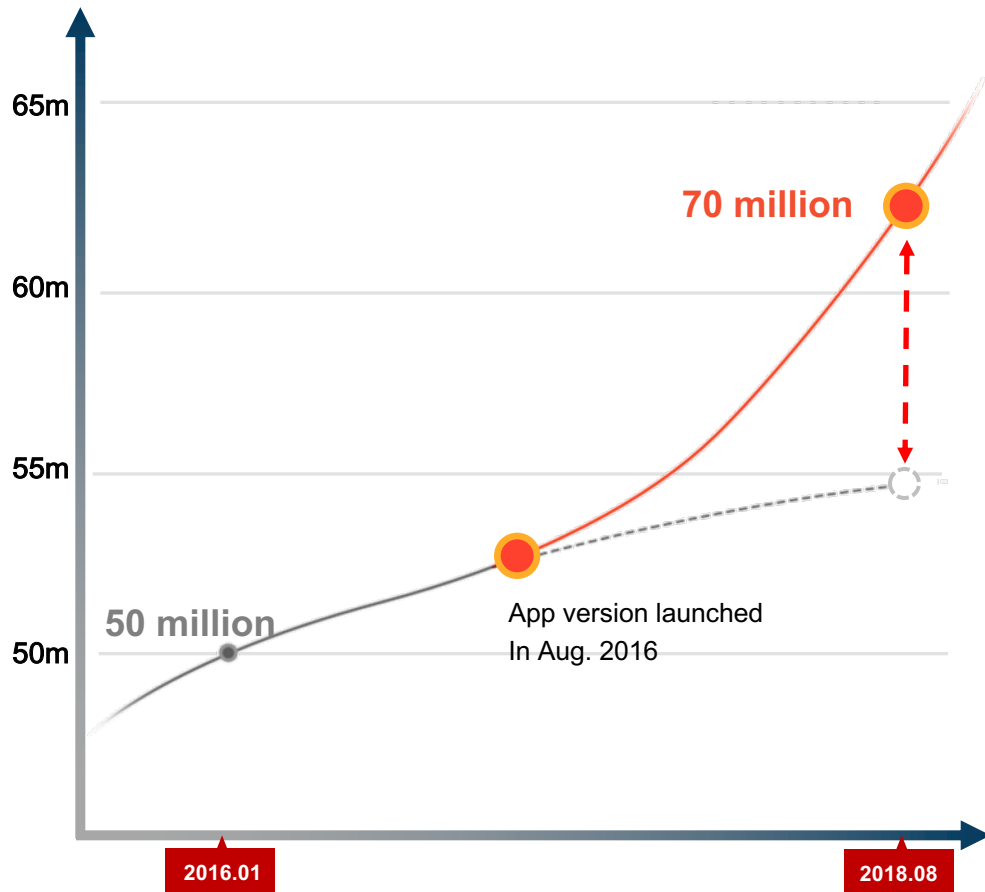
T Authentication

Money transfer completed

\*KB Kookmin Bank is South Korea's largest bank with 1,037 branches and 120 branch offices.

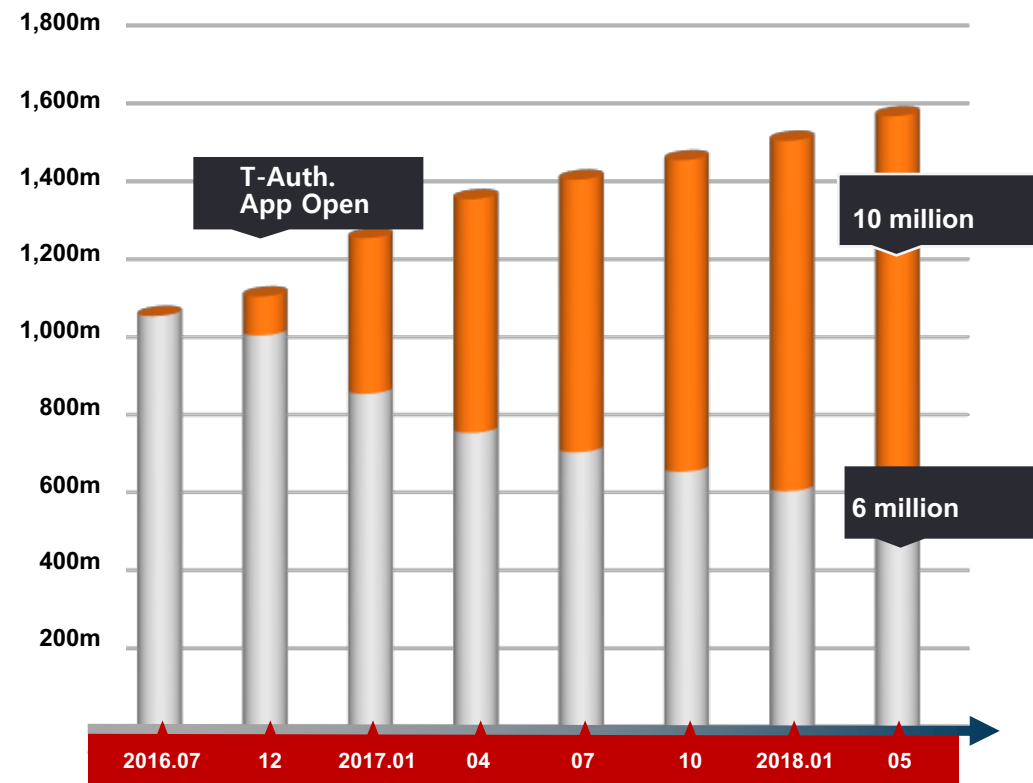
# Phenomenal Growth after Launching

## Monthly Usage



- Authorizations with SNS based T-Auth. service
- Authorizations with T-Auth App

## Active Users of T Authentication

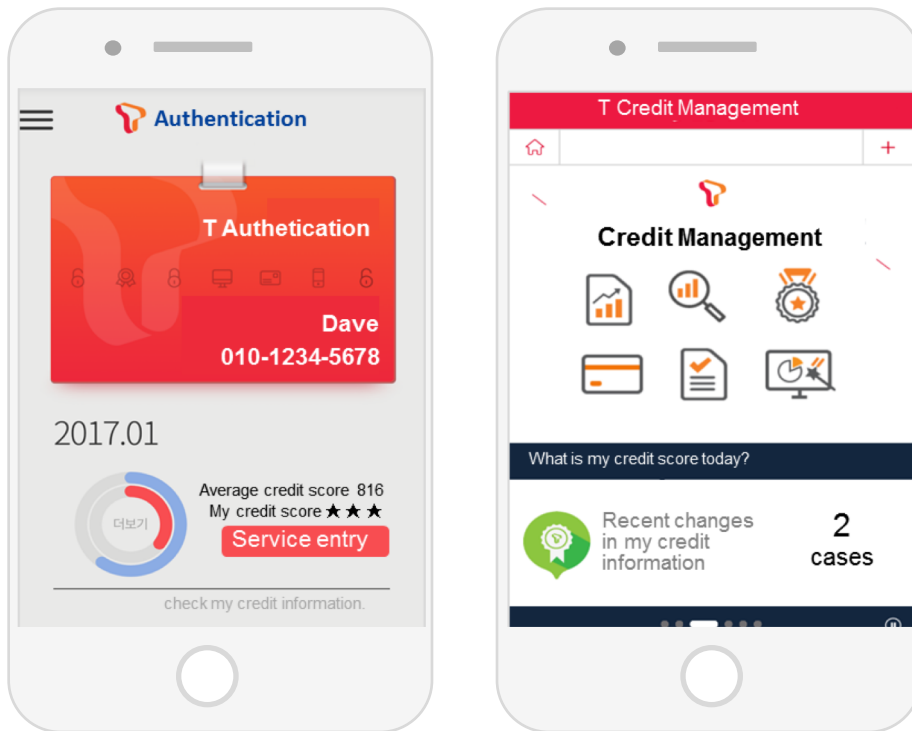


- SNS based Authorization Users
- T-Auth. App User

# SKT enabled several “Value Add” services

While in short time, SKT could find meaningful “Profit” sources.

## T Credit management



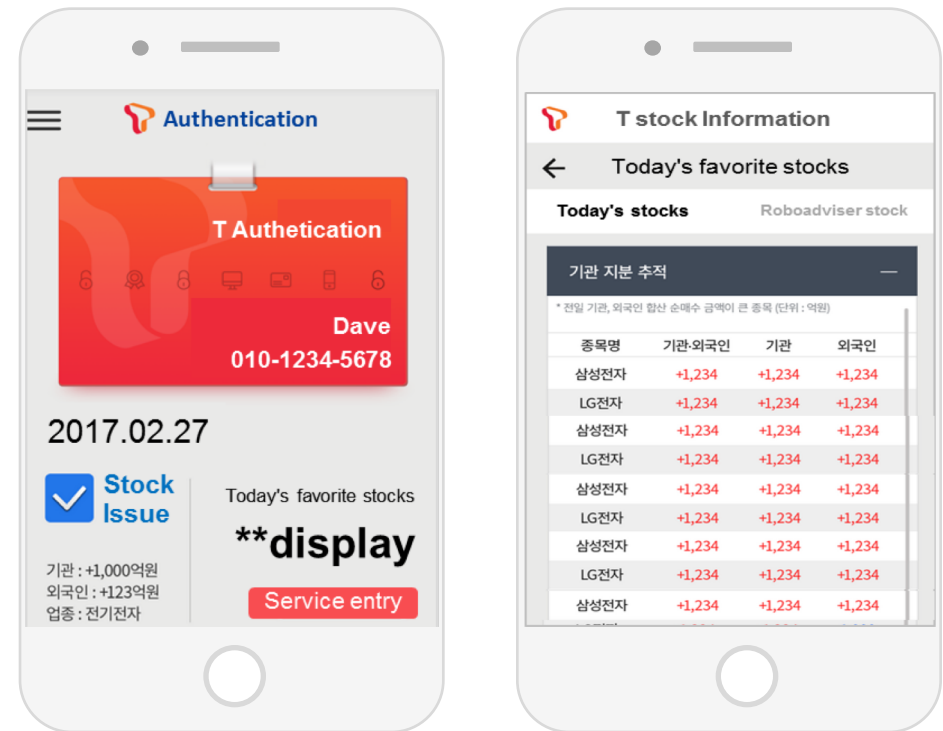
Credit check and management of rating

Fees : \$ 3 / month

Launch : Jan, 2017

Registered Users : 400,000

## T Stock information



Daily stock market information from robo-advisor

Fees : \$ 10 /month

Launch : March, 2017

Registered Users : 40,000

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## **2. PASS**





# PASS

Simple Affordable One Brand



Abolition of  
Public Certificate

Electronic signature service of an  
authorized organization by the country

Main  
Electronic  
Signature Service



Public Certificate

Enabling **market autonomous  
competition** for more advanced  
technology applications



?

2016

2017

2018

2019

2020

...

Authentication Service  
Market Size

\$48M

\$58M

\$69M

\$83M

\$100M

?

2017 KISA(Korea Internet & Security Agency) National Information Protection Law Survey

USD1 = KRW1,128



SKT, KT, LGU+

PASS

Every Authentication





# PASS



Personal  
Authentication



Log In



Digital Signing

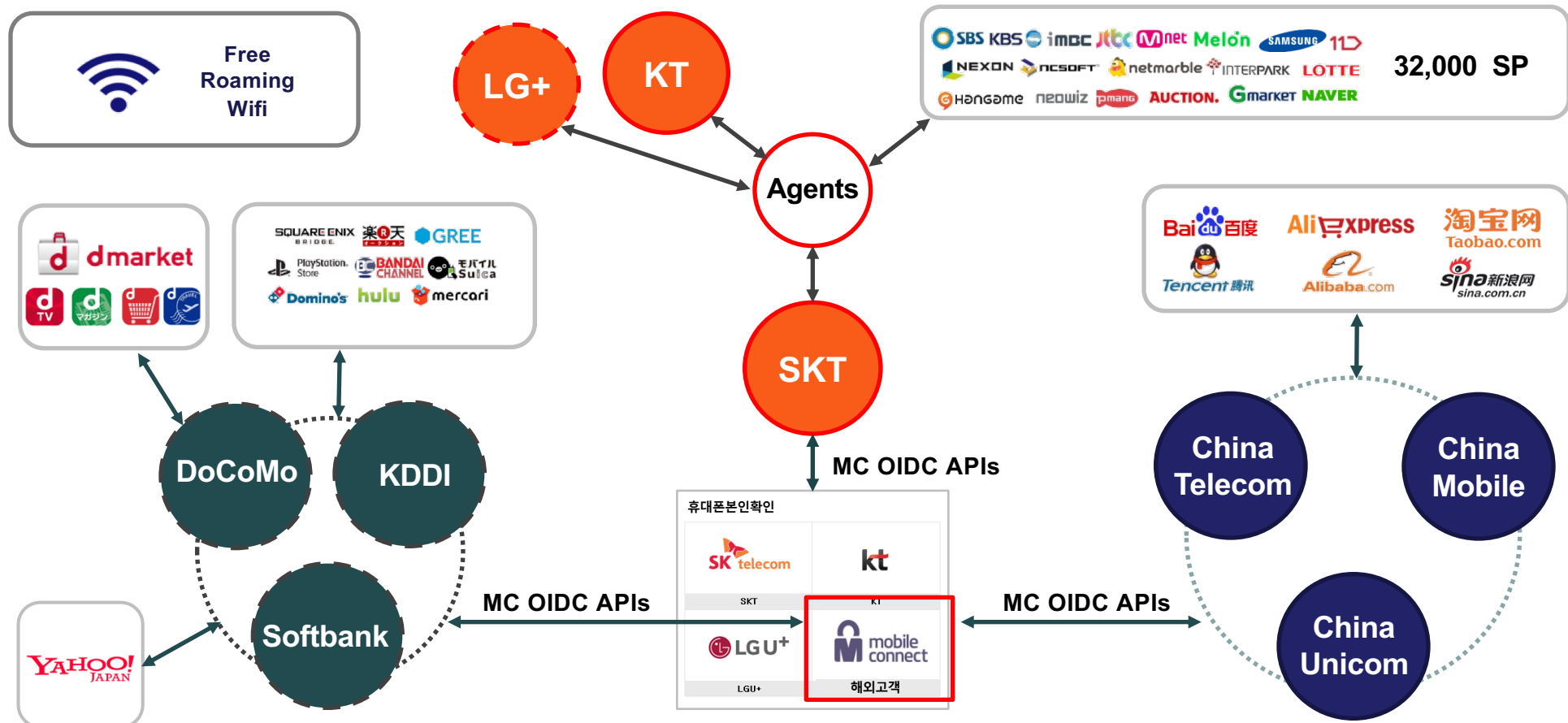
**PASS 1.0**

**PASS 2.0**

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## **3. Cross border**

# Mobile Connect: cross-border authentication China / Korea / Japan



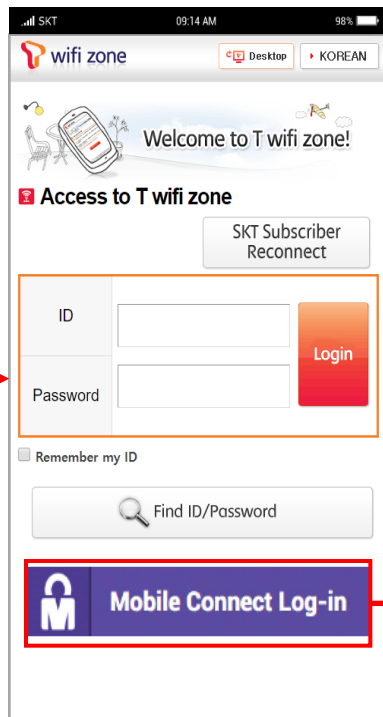
# #1 2018 Shanghai MWC Mobile Connect Demo Scenario

Illustrated for demo use only (connected with SKT and Deutsche Telecom)

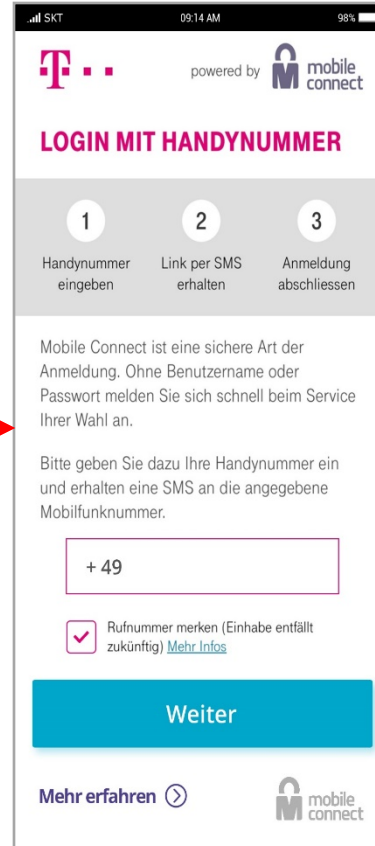
## 1. Select T-wifi of SKT



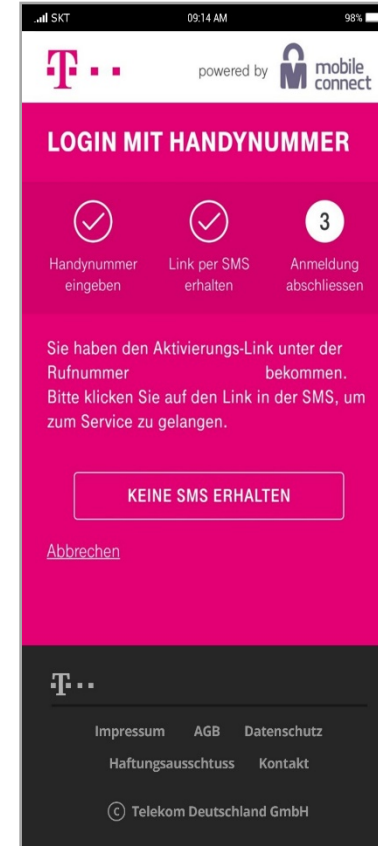
## 2. Click on "Mobile connect" after going online



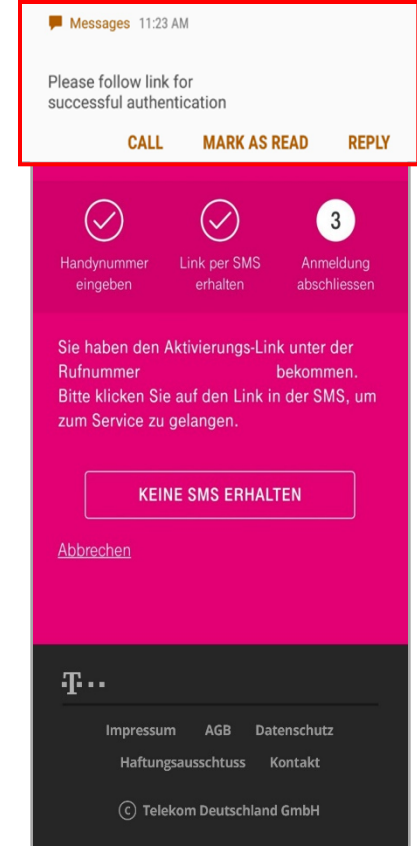
## 3. Enter Your Mobile Number



## 4. Waiting Screen



## 5. Receive URL SMS

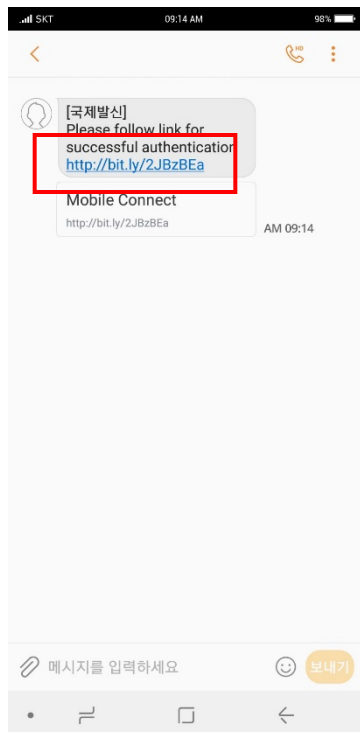




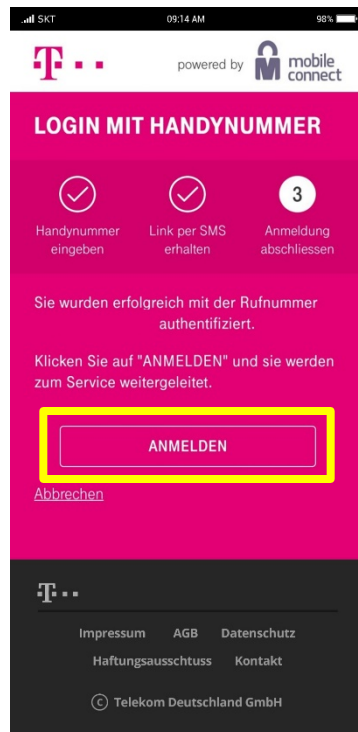
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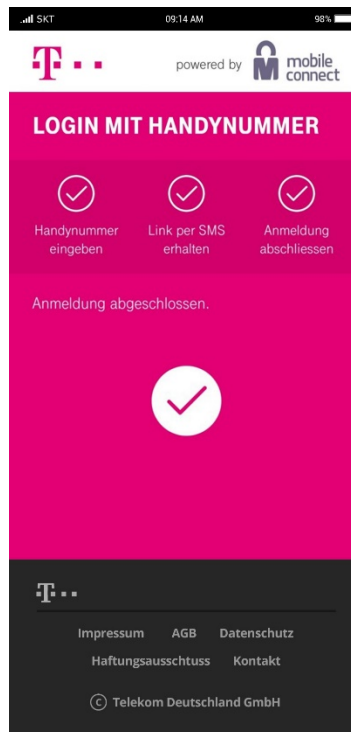
## 6. Click url of sms



## 7. Click the register



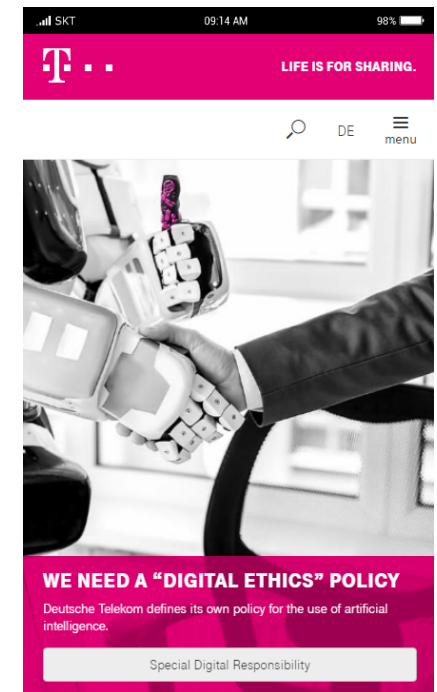
## 8. Complete register



## 9. Connect T-wifi



## 10. Use Internet



For further questions

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Thank you ~ Teşekkür ederim

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