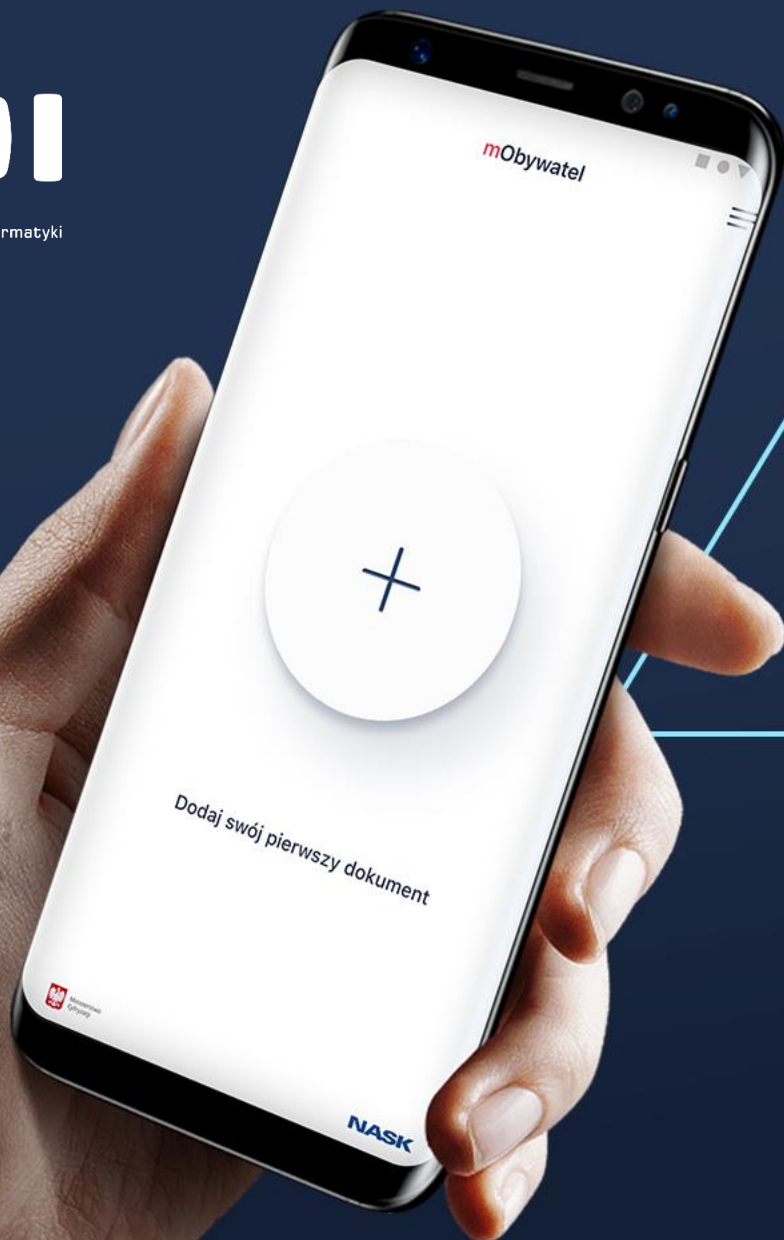


COI

centralny ośrodek informatyki



mCitizen

Public Mobile App

Dalius Kubylis
Center for Informatics Technology

COI

centralny ośrodek informatyki



mCitizen is a digital wallet for documents and services

It allows for storage - just like in a traditional wallet - of the most important documents issued by the public institutions.

**Project is funded and operated
by the government of Poland**



proprietor

COI

centralny ośrodek informatyki

**developer &
maintenance**

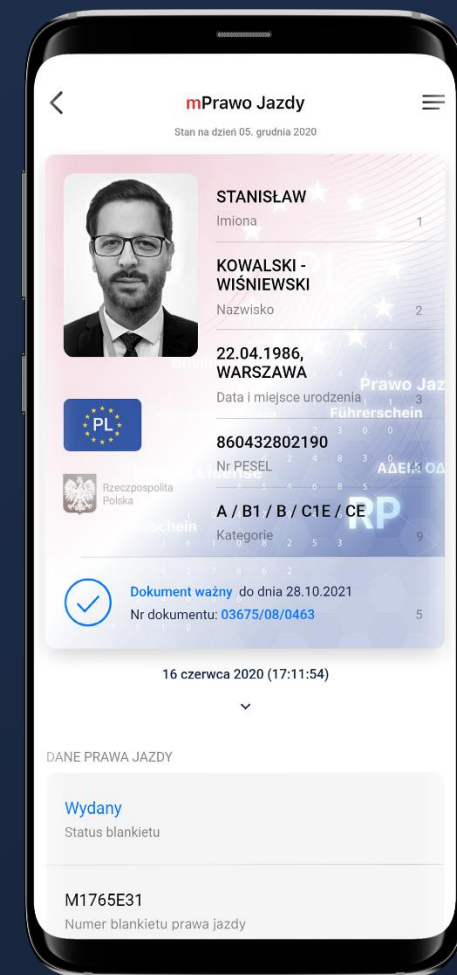
There is more and more users every day...

mCitizen

more than **7 900 000** downloads

more than **5 250 000** active users

Permanent, **high place in the ranking of the most popular apps** in Poland

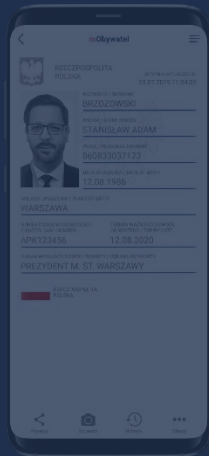


Features

- Self-Sovereign ID based on Public Key Infrastructure
- Authentication by official Electronic Identification Means
- Data based on public registries and databases
- Ecosystem for offline, online documents and services
- Offline and online document verification
- Universal notification capabilities
- Secure data transfer to cooperating institutions



Wallet filled to the brim



2017
mID 1.0



2018
legislation



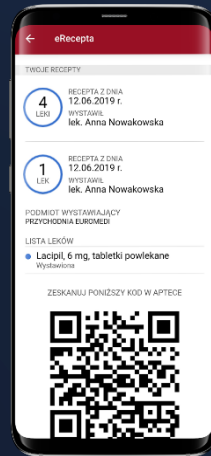
2018
mSchool ID



2019
mVehicle



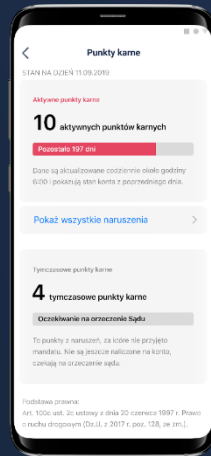
2019
mStudent ID



2019
ePrescription



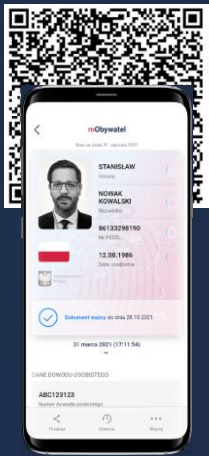
2020
mDriver's licence



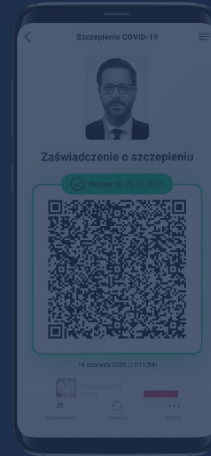
2020
Penalty points counter



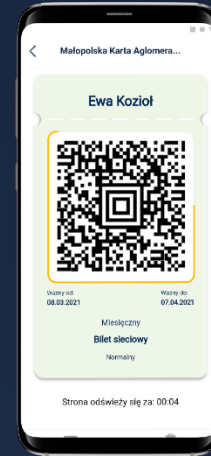
2021
mID 2.0



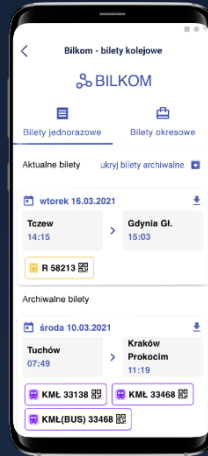
2020
Data transfer
to trusted institutions



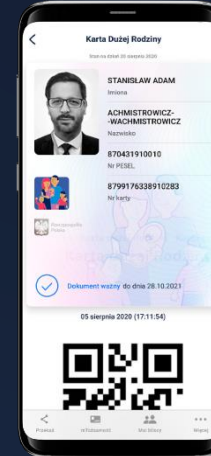
2021
PL Digital Covid
Certificate



2021
Małopolska
Agglomeration Card



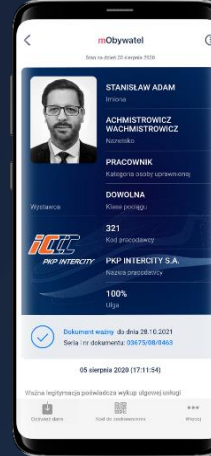
2021
Train tickets



2021
Family card



2021
EU Digital Covid
Certificate



2021
Railwayman's ID



2022
New PL Digital Covid
Certificate



2022
Diia.pl

More soon...

Where can mObywatel be used?

- **When voting**
(1st country in the world to offer that)
- Clinics/pharmacies
- Hotels
- When dealing with the Police
- Post Office
- Logging into services, including government services
- Renting a car
- Gyms
- Public and private transportation
- Shops
- And many more places...

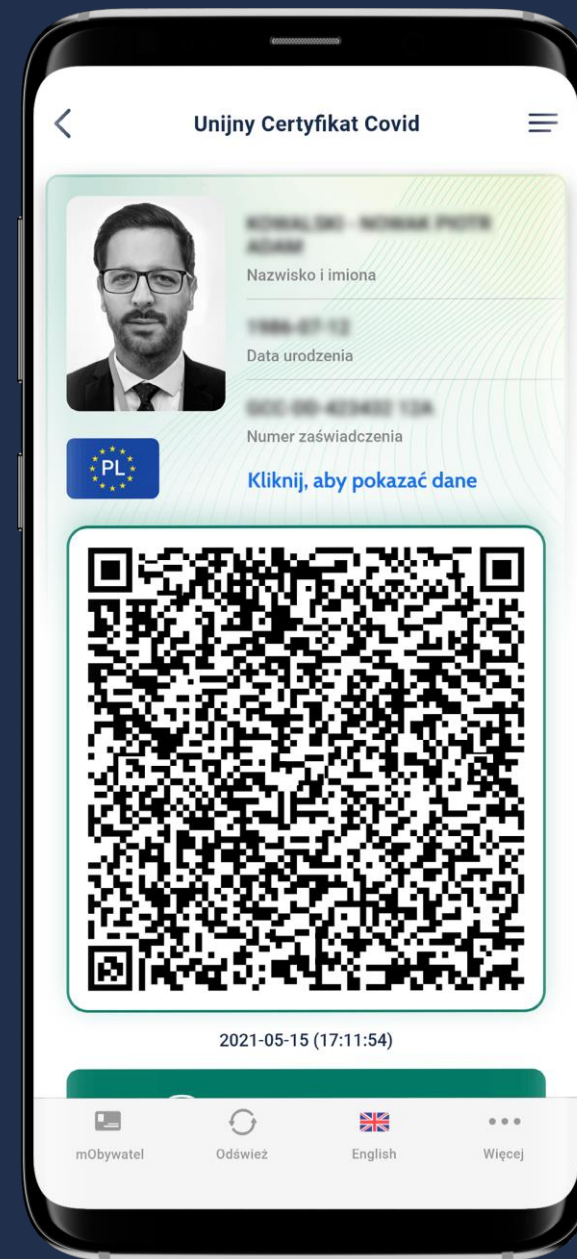


EU Digital Covid Certificate

EU Digital Covid Certificate facilitates safe and free movement of EU citizens during the COVID-19 pandemic within the EU area.

Personal data has been hidden.

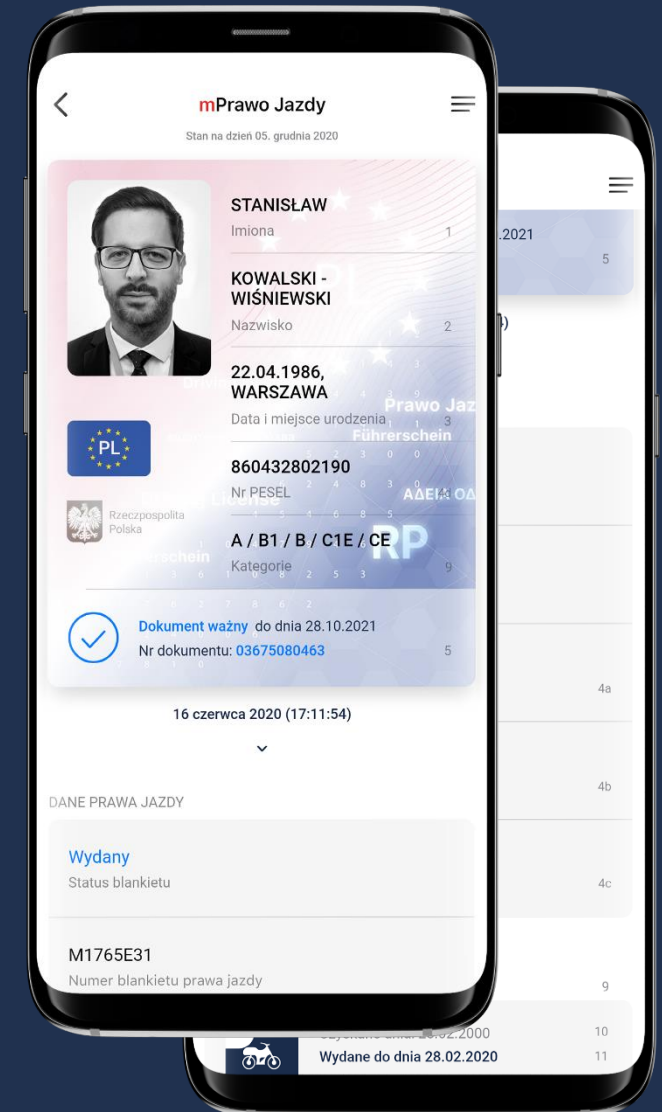
Just click to show them.



Data and visual layer

mDriver's License

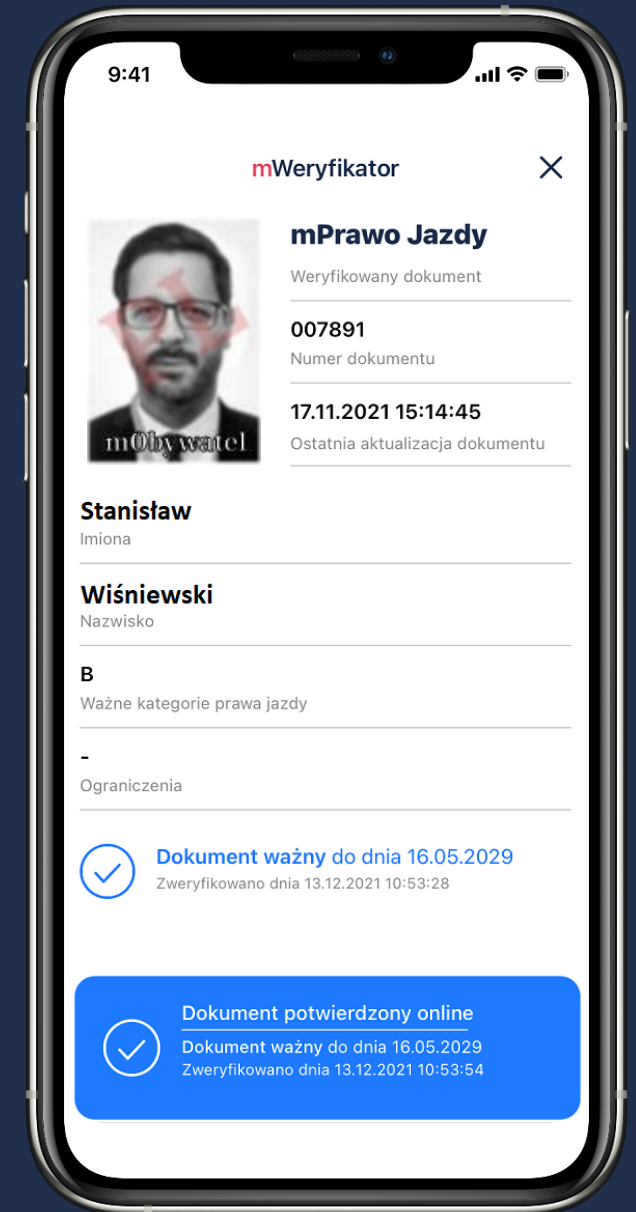
- Name(s)
- Surname
- Date and place of birth
- PESEL nr
- Driver License categories
- sensitive to device movement background
- time stamp
- time of last refresh
- Poland's emblem
- EU flag
- document nr
- expiry date
- picture



Cryptographic verification

mDriver's License

- Google Play and App Store
- no authorisation required
- document verification can be carried out using mVerifier application:
 - low resolution photo with hologram and data - visual
 - Data transfer and signature check – offline(Bluetooth, WiFi, Qr code series)
 - certificate and document revocation status – online(OCSP)
- data presentation without storing
- mVerifier used predominantly in private encounters
- the police verifies data directly from the state registers



Shortcuts with mCitizen

Data transfer to trusted institutions

This service allows for transfer of data, collected by the User from state's registers.

It can be used to authenticate the User at places such as [eUrząd Skarbowy/ eTax Office](#), or [mojePZU/myInsurance](#) to name a few.





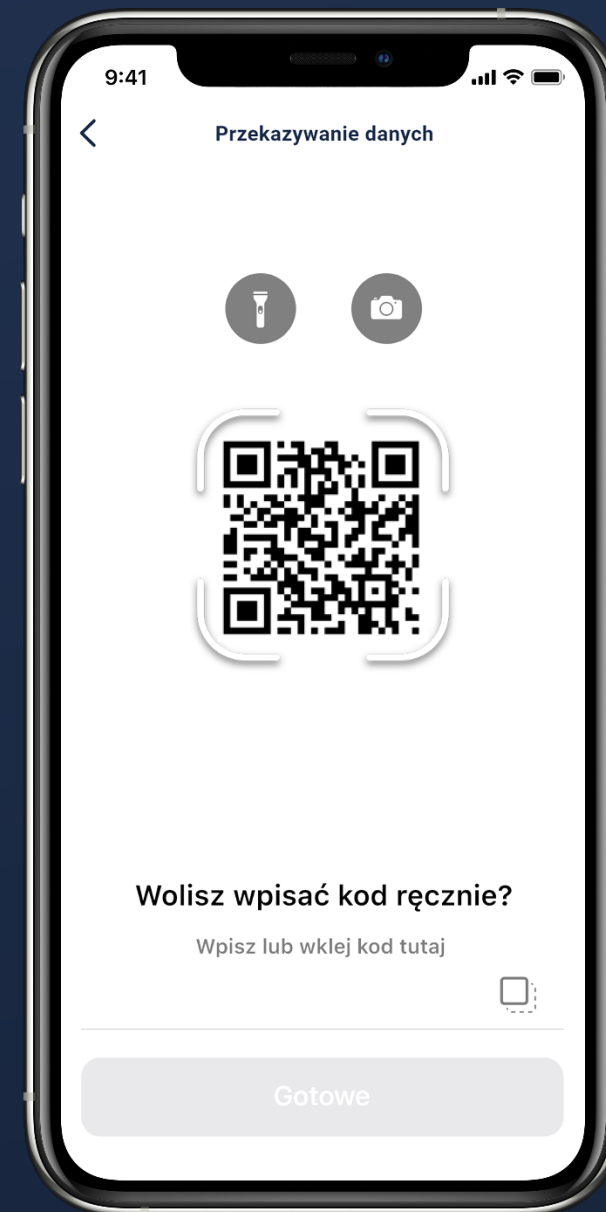
centralny ośrodek informatyki

How does it work?

1. User scans the Institution's QR code with the mCitizen app



Dynamic (www) or static QR code (POS)

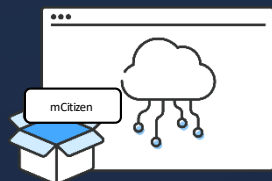




centralny ośrodek informatyki

How does it work?

2. mCitizen app reads the Institution's QR code
3. mCitizen app approves data transfer



mCitizen Backsystem

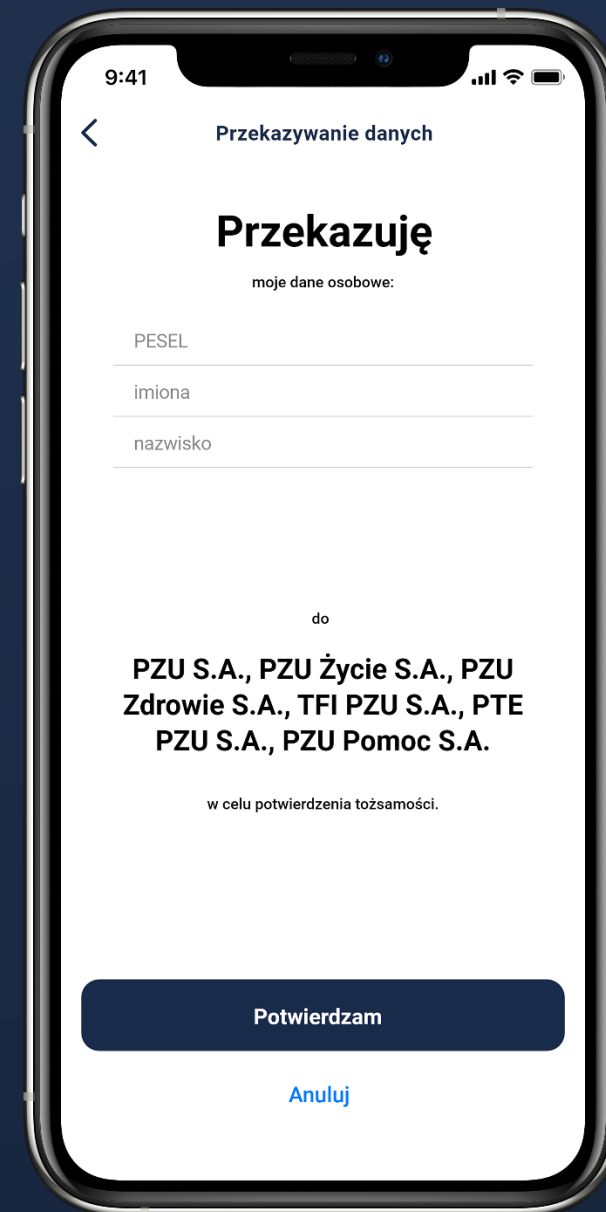


Institution authorization



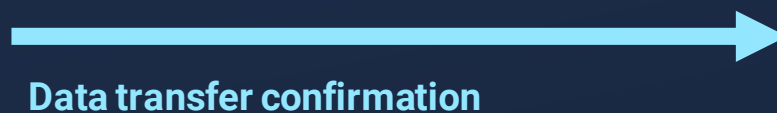
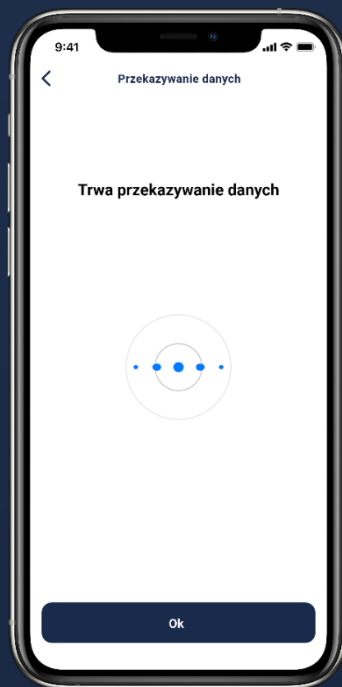
Citizen

Citizen approves the data transfer

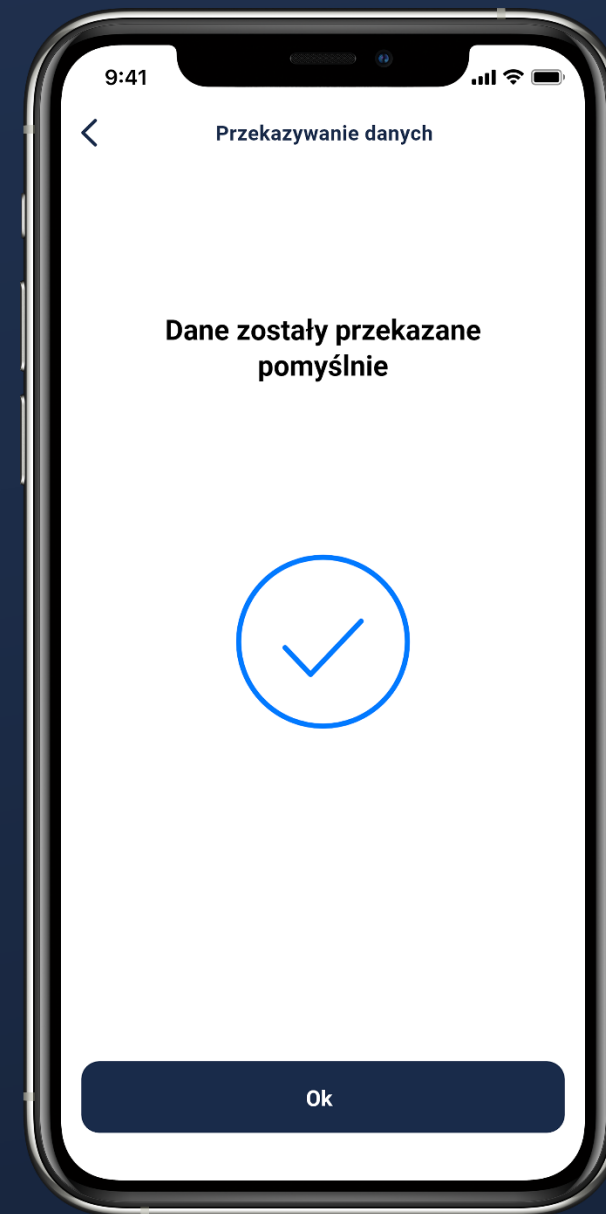


How does it work?

4. Data from **mCitizen app** is transferred to the **Institution's IT system**



Data transfer confirmation

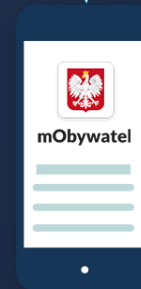


10. Receipt of the event by the citizen

mCitizen System



2. Get the institution's certificate and service data



Citizen

mCitizen

1. Scan the QR code



Verifier

3. Send the data

9. Send the event to the citizen

4. Event with the data received

5. Data verification

6. Send the data to the address

7. Show the data

8. Generate feedback event

OCSP (optional)

Institution

mCitizen Backsystem



Institution's IT System



Thank you.