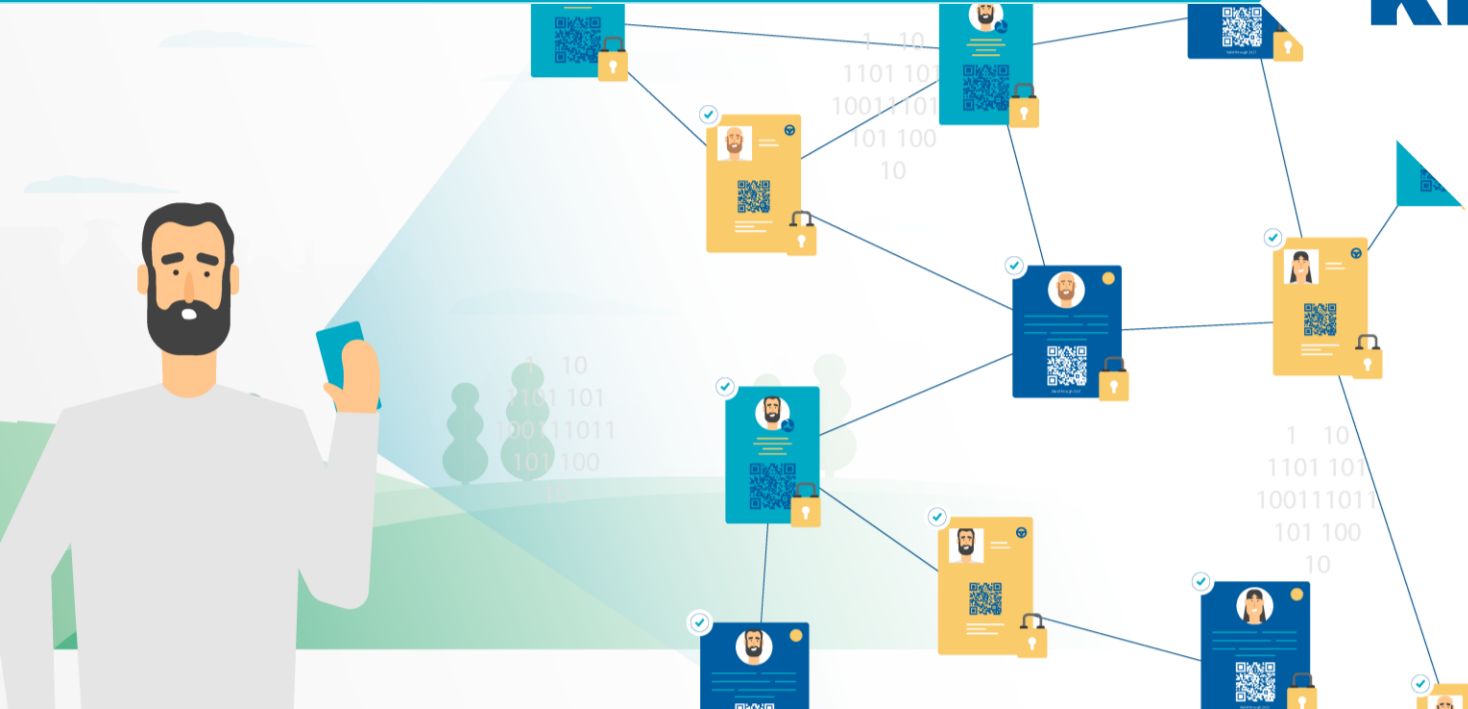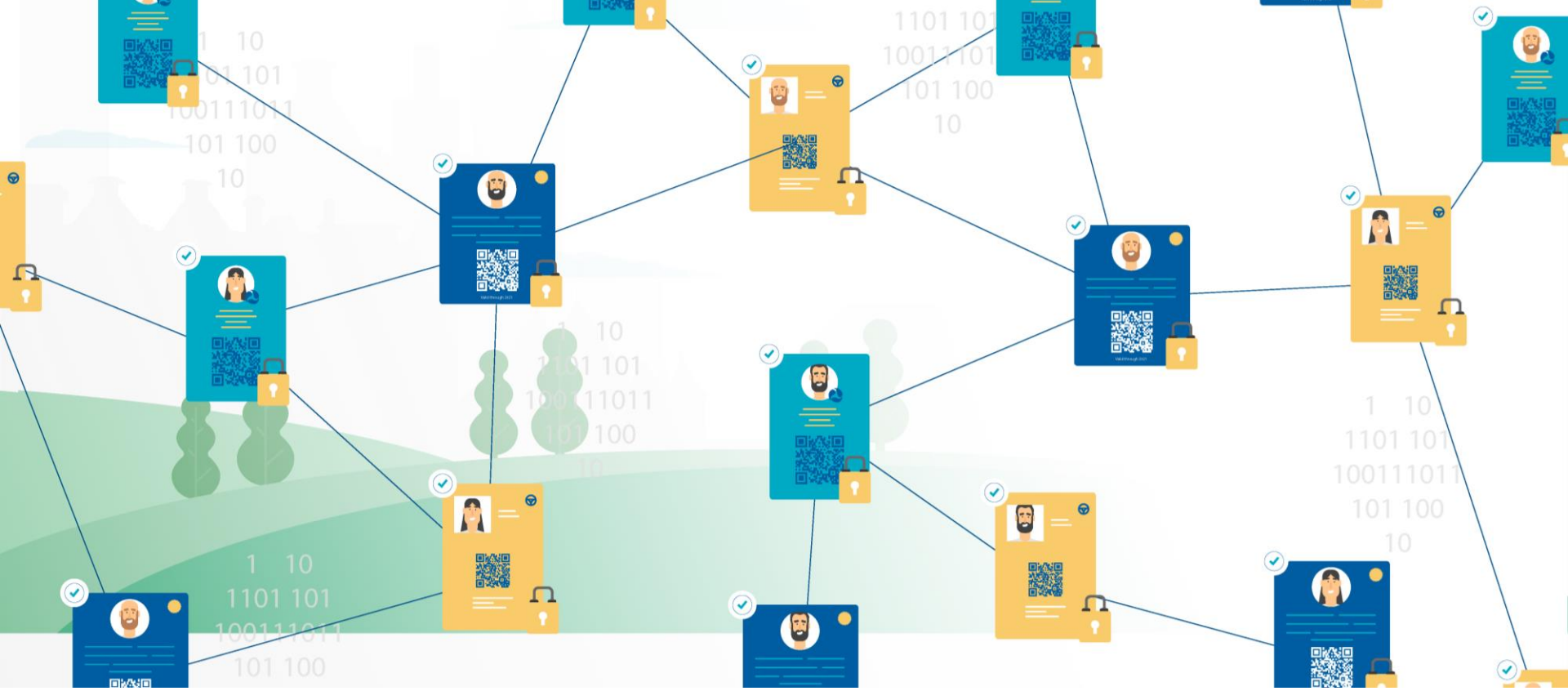# Elicense platform

By Kiwa Digital Certification

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elicense

Partner for Progress

Elicense designed based on experience

Kiwa NV, a multinational company that was founded in 1948

With an annual turnover of 560 million euros, **Kiwa NV** is one of the top 20 companies in the world in the field of testing, inspections and certifications

4,500 FTE worldwide

Members of the Kiwa family are supervised by the government, public organisations and independent auditors

Compliance & Trust

EASA European Aviation Safety Agency

EMSA

Algemene Rekenkamer

Ministerie van Infrastructuur en Waterstaat

Data security

| PKI overheid |

ETSI
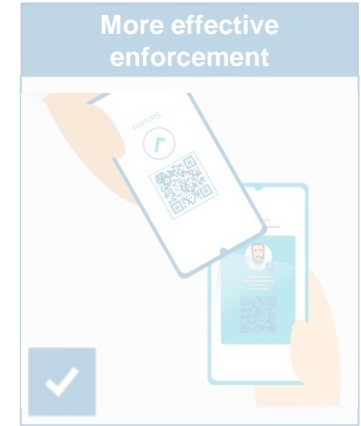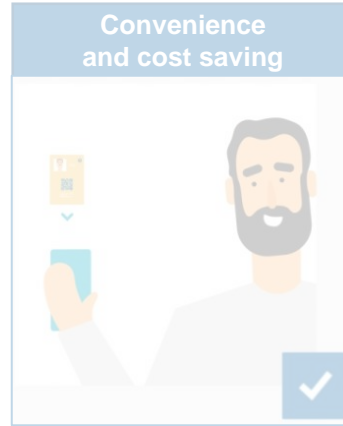
ISO

AUTORITEIT PERSOONSGEGEVENS

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Generating an elicense is one of the steps in the process of issuing person-based value documents/ permits

Authentication of the identity of the applicant

''Who is the applicant?''

Verification of the qualifications of the applicant

''Is he qualified to get a license/ value document?''

Production and distribution of value documents: paper, smartcards or **elicense**

Archiving of files and information provision for enforcement purposes

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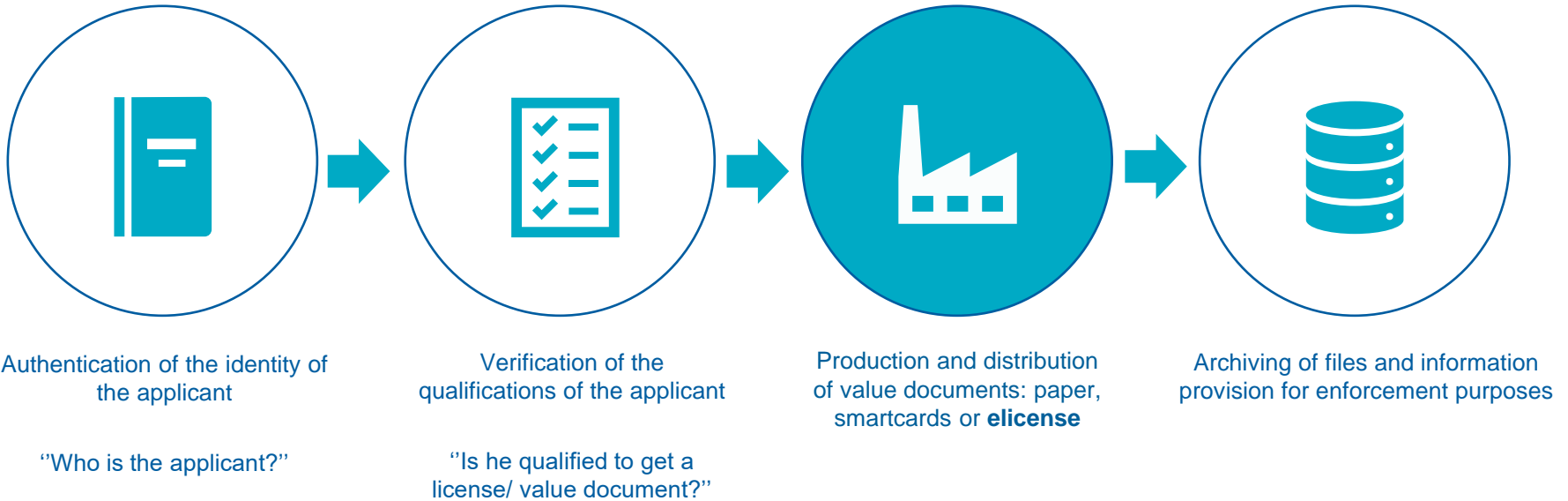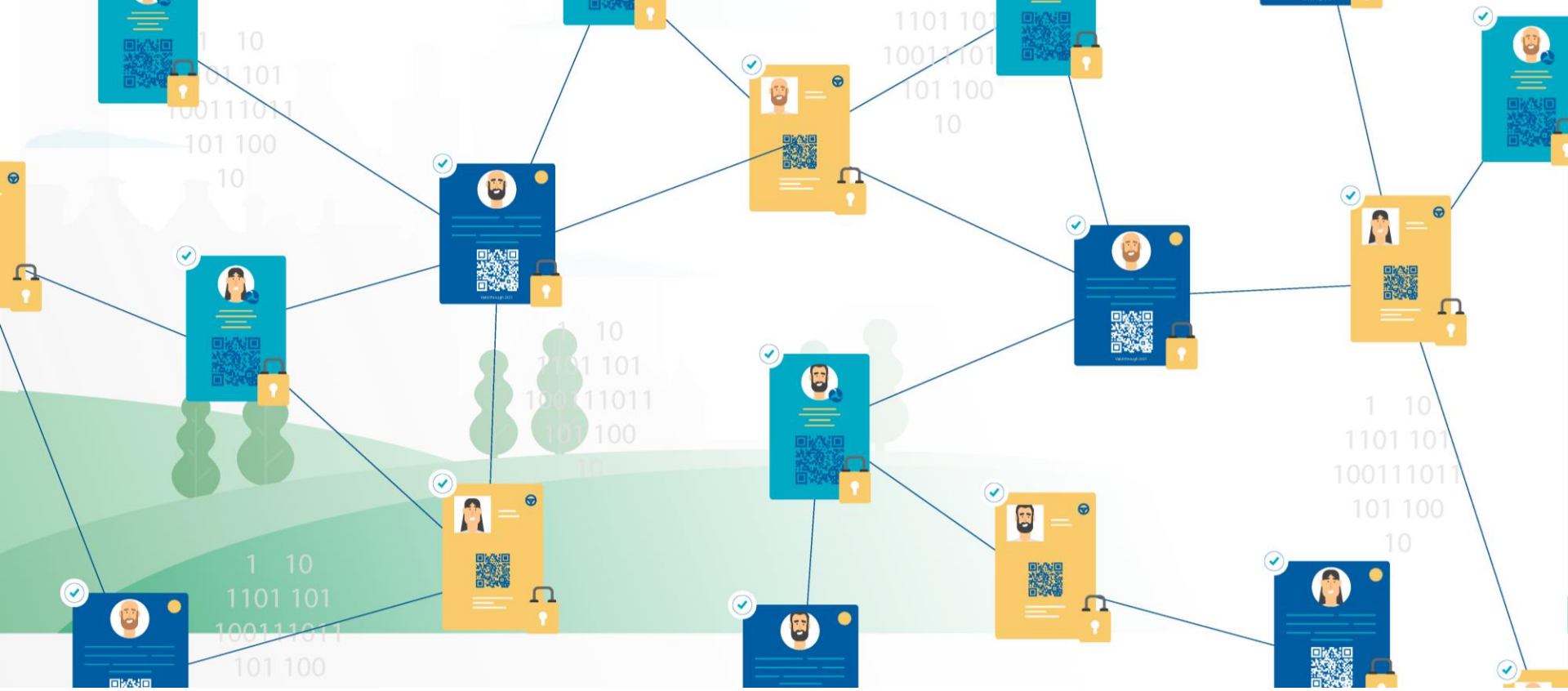
Why adopt the elicense system?

Benefits

Secure and reliable


Convenience and cost saving

**More effective enforcement**
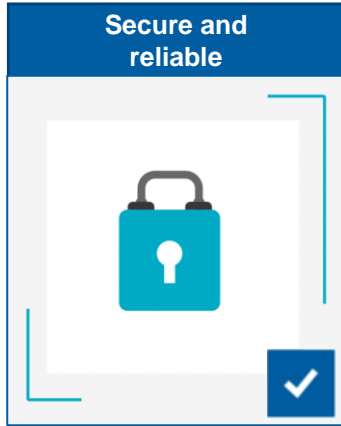
- **More certainty about the authenticity of the license (less risk of forgery)**

- **More certainty that the permit actually belongs to the person (less risk of identity fraud)**

- **If desired: storage of historical elicense transactions (proof of compliance)**

Identification and enrollment

- Creating a digital identity based on identity document

- ID document and face verification

- eIDAS security Level 3 or Level 4

Benefits

Secure and reliable

**Convenience and cost saving**

More effective enforcement
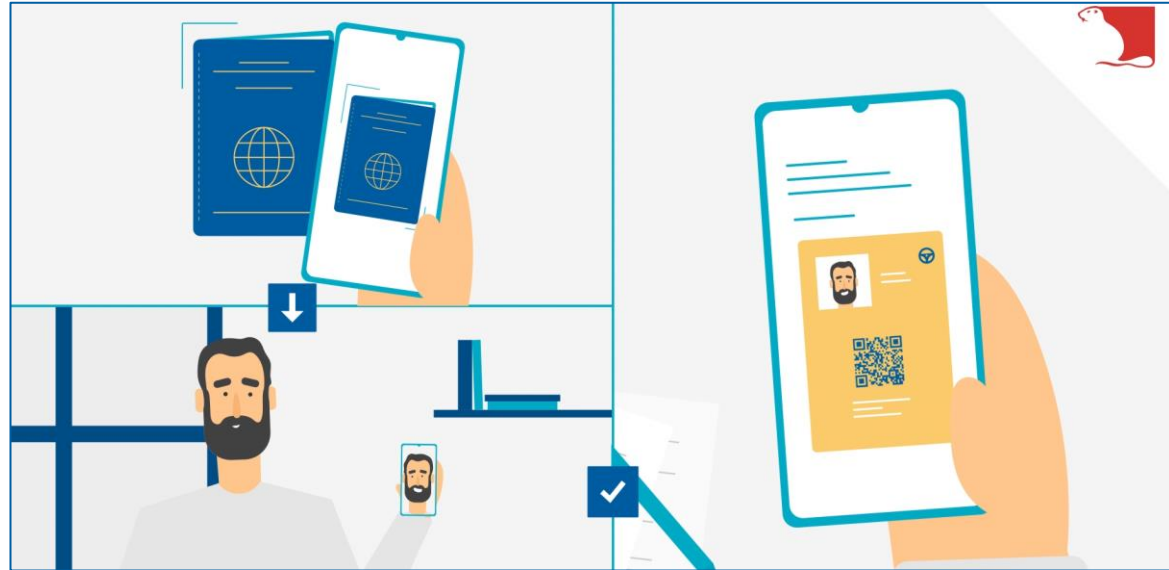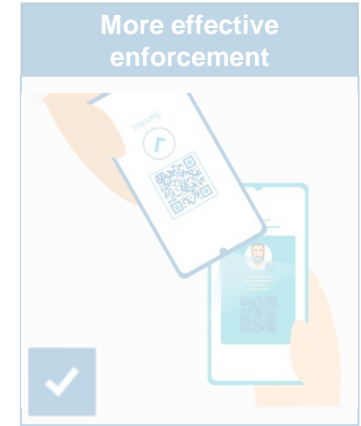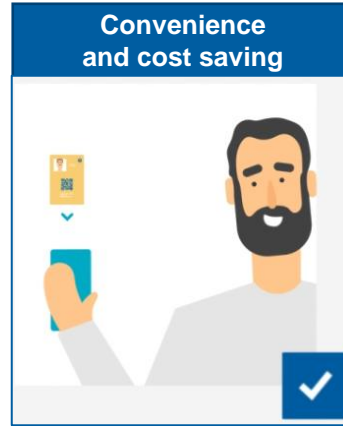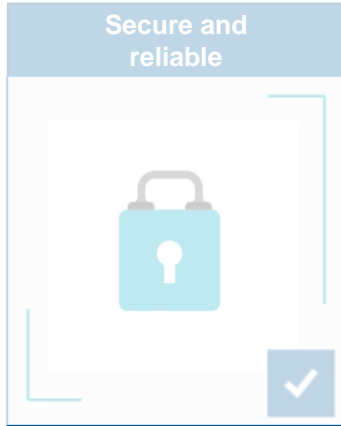
- The applicant can disclose the elicense as soon as the license is granted

- No new physical license needs to be issued after renewals, changes and additions

- Immediate re-issue of elicense in case of lost or stolen smartphone (containing e-license)

- Single sign-on for multiple elicenses and certificates

Elicense modifications

■ Issuing the elicense directly to the right person through his/her smartphone

These changes will be effective immediately:

■ It is possible to suspend and revoke

■ It is possible to renew and extent

■ It is possible to withdraw a suspension/revocation

■ It is possible to terminate

Benefits

Secure and reliable

Convenience and cost saving

More effective enforcement
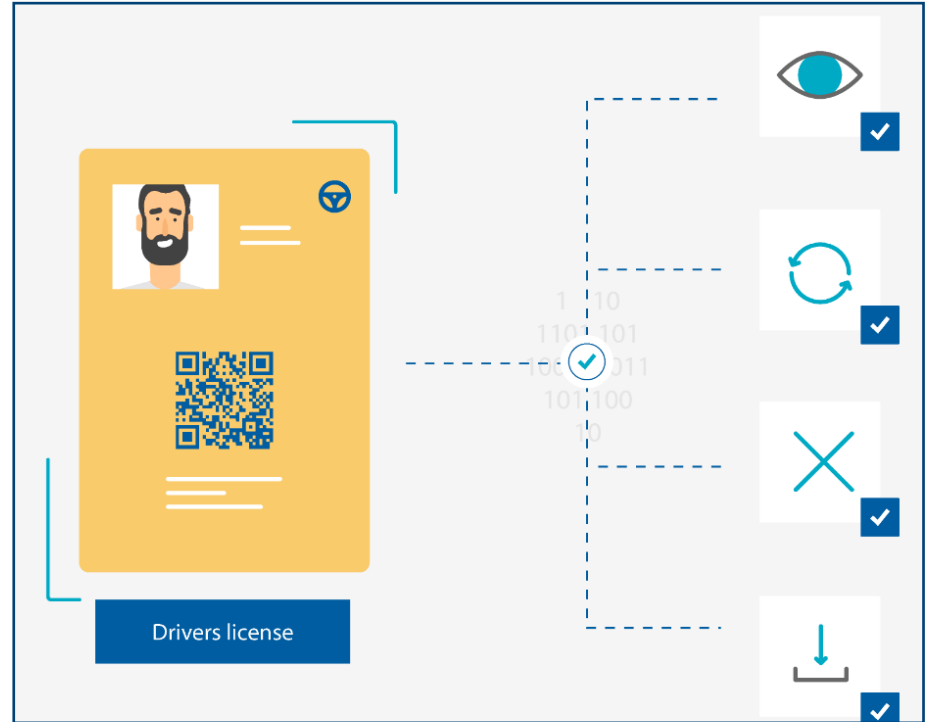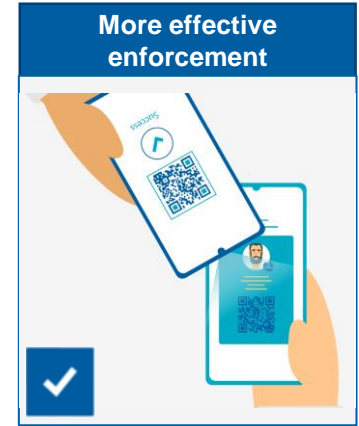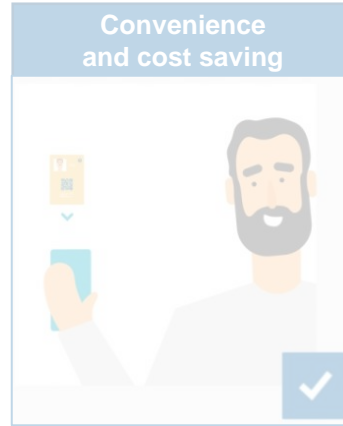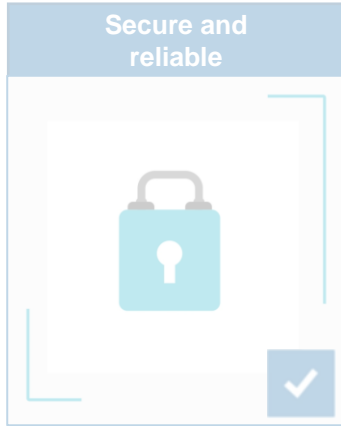
- Real-time online verification of elicense authenticity

- Real-time online verification of validity status qualifications

- Offline verification possible

- Real-time revocation or suspension of elicense: immediately visible in the elicense, anywhere in the world

- If desired: retrospect verification of historical elicense transactions

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Verification

■ Verification can be done both online and offline

■ The authenticity of the persons elicense will be

verified through digital personal certificates

■ A verification can also be done without being

logged in to the system.
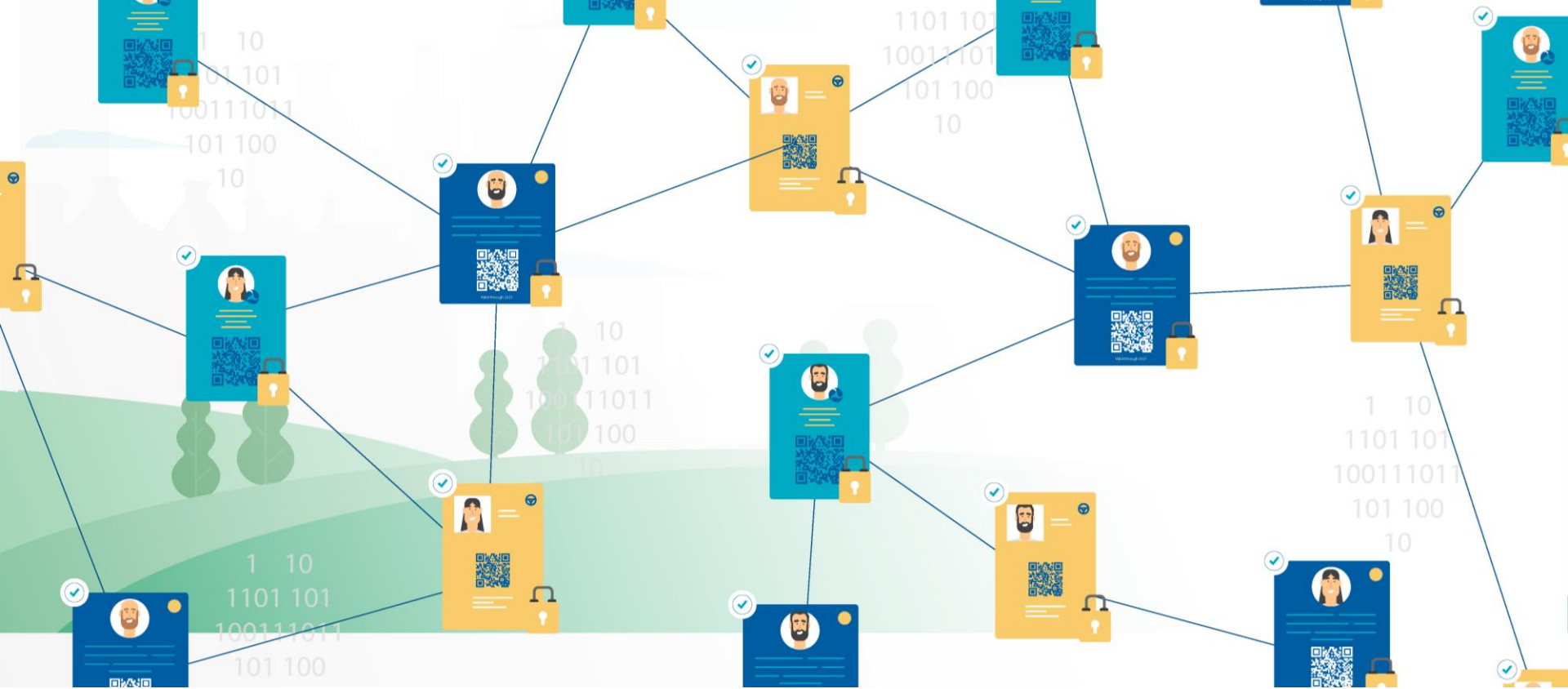
Standards and privacy

Elicense: a solution based on standards

The use of international accepted standards is key for interoperability and adoption on a global scale

- We base our solution on the ISO 18013-5
- All big tech companies support this ISO standard
- The ISO standard is implemented by several governmental bodies, including AAMVA

Issuing authority

Issuing license (ISO23220)

Online verification (ISO18013-5)

Offline verification (ISO18013-5)

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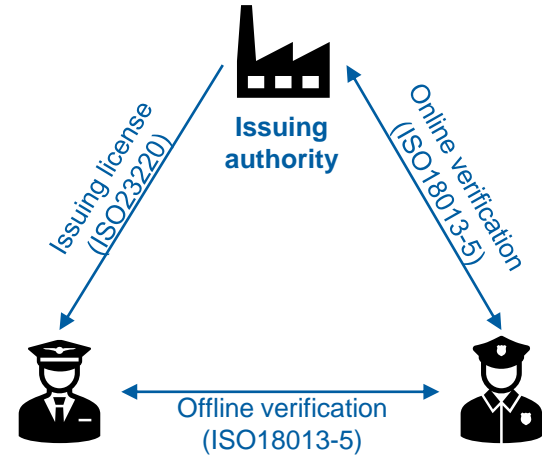
Privacy by design

ISO 18013-5-compliant elicenses provide greater privacy protections than physical licenses, including:

- A decentralized system by design. The elicense is under full control of the holder;
- Allowing the phone to always stay in the holder's control. The phone with an elicense never needs to be handed over for a physical inspection of an ID document;
- Allowing the holder to share only data that's relevant to the transaction;
- Giving the holder full control to release data elements requested by a verifier;
- Resistance to tracking; there is no unique identifier to see where a holder has used their elicense.

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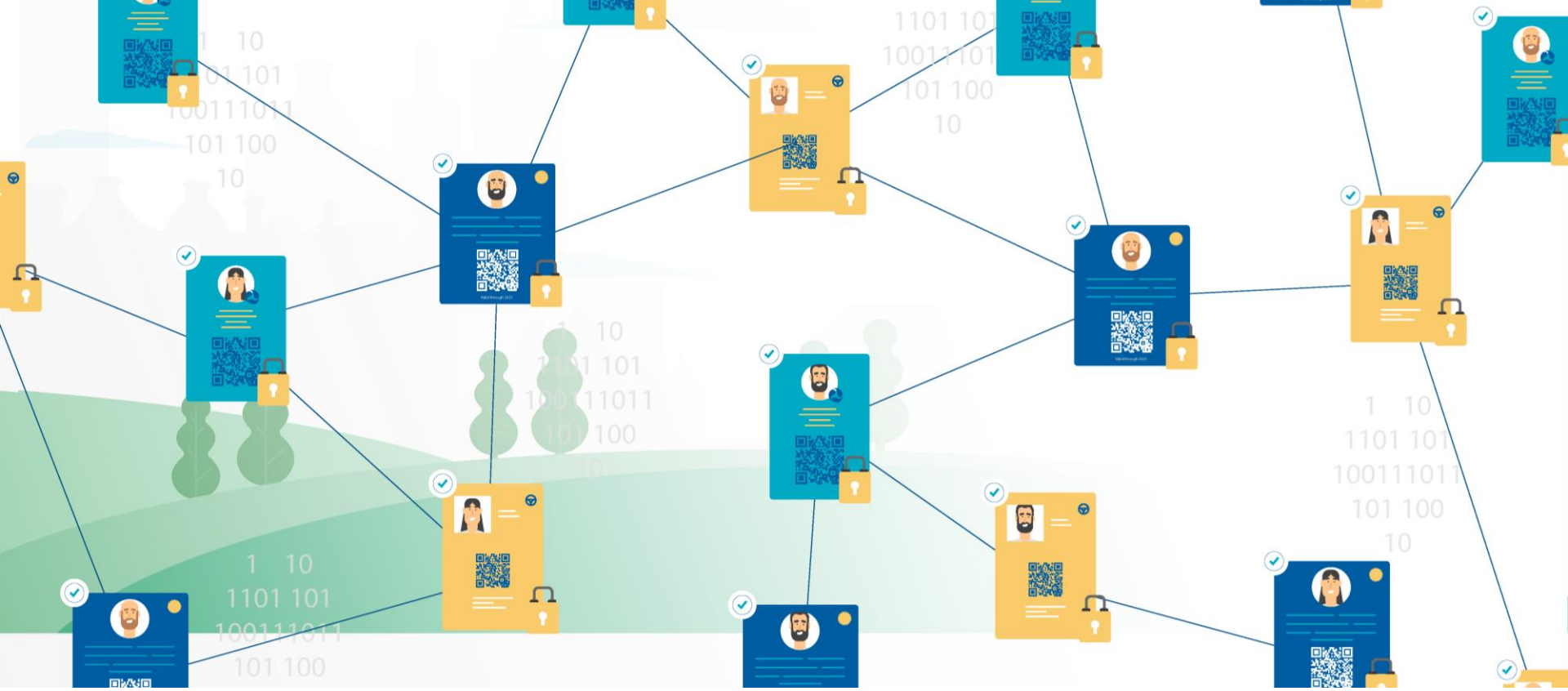
The role of CESNI and public authorities

The role of CESNI

■ CESNI can play a critical role in creating technical standards for person-based digital licensing for inland navigation

■ To do so, CESNI can make use the results of:

    ☐ The IMO working group on digital licenses (Development of amendments to the STCW Convention and Code for the use of electronic certificates and documents of seafarers);

    ☐ and the work of the EMSA STCW Seafarer's Certification Platform Correspondence Group.

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The role of public authorities

- Public authorities should make a plan on how to adopt an elicense solution
- An important step of this plan is making an inventarisation on the current state of their IT systems to assess whether these systems are ready to perform the role of issuing authority

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Do you want more information?

Please contact:

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Mobile: **+31 6 29 06 34 42**

https://www.kiwa.com/elicense

Partner
for
Progress