

iProov Genuine Presence Assurance

Andrew Bud CBE, FREng, FIET Founder and CEO, iProov

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Company Overview





Global Leader in Genuine Presence Assurance

- 23 granted patents
- 150+ employees; London, Washington DC & Singapore
- Operating at scale, up to 1m verifications a day worldwide



Governance

- elDAS QTSSP certified
- Security audited by numerous national governments



Proven at Scale

- Production deployments with Governments of US, UK, Australia & Singapore
- In deployment with DHS CBP for entry and exit programme
- Eurostar

Multiple Bottlenecks Cause Travel Pain Points

- Entry checks impose pressure on limited time & space
- New data capture requirements will increase issues
- iProov/Entrust pilot mitigated challenges for Eurostar in London







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Security Starts at Home: On the Couch

- Move key process from gate to couch:
 - Securing trust from the couch
 - Trusted document capture
 - Trusted face capture
- Ensure secure & private flow of biometrics & data from couch to port of entry/exit
- Significant benefits to traveller & border control





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Securing Trust from the Couch



Trusted Document Capture on BYOD

- Couch capture allows for sufficient time to read NFC
- If necessary, ultra-rapid confirmation of document possession at the border



Trusted Face Capture on BYOD

- Genuine face assurance:
 - For accurate match between selfie & document holder
 - For genuine capture of contemporary image of the user
- Defend against morphed selfies



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Mitigating Threats to Biometric Verification on BYOD

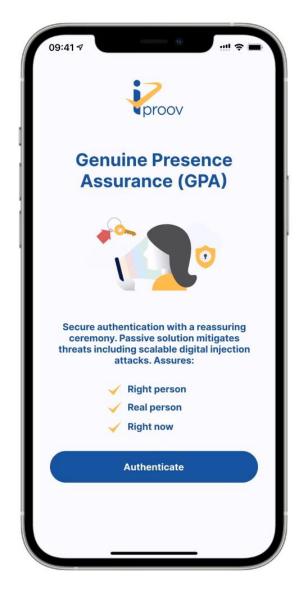
GENUINE PRESENCE ASSURANCE **Digital Injection Attacks Right Now?** Injected replays, **REAL-TIME** synthetic imagery and morphs Real Person? **Impersonation Attacks** 222 LIVENESS Right Person? FACE MATCHING PRESENCE ASSURANCE Wrong person

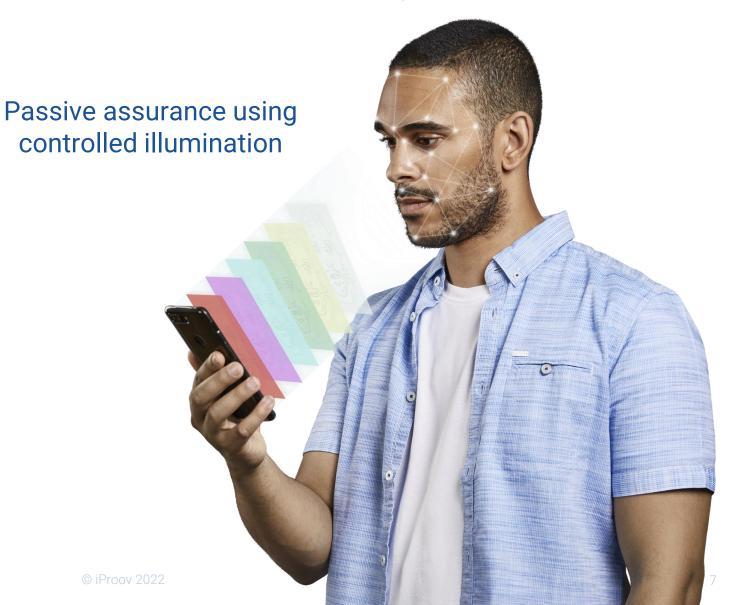
Presentation Attacks



Artefacts presented to the camera

iProov One-time Biometric Technology







Delivering Excellent User Experience

- Success rates >98%
- High completion rate
- Inclusion & bias mitigation
- Reassurance & trust





Security Monitoring is Crucial

- Liveness and genuine presence are cyber defences
- Exploits are inevitable
- Threats evolve
- Security monitoring needed to detect biometric vulnerabilities
- Privacy management is essential





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Use a Trusted Selfie to Link Identity Information



- Short processing time enables very high throughput
- Limited subject set minimises demands on face matching
- Use of contemporary selfie is key to performance



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Fast and Secure ID Verification for Seamless Rail Travel

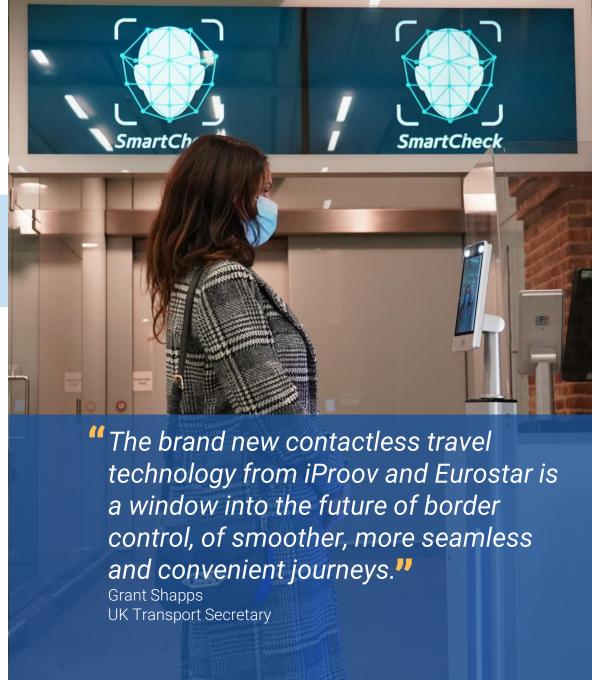


Your face as your ticket; maximising privacy and customer experience with assured credentials

Eurostar SmartCheck revolutionises the travel experience with biometric face verification:

- Passengers complete secure ticket verification and pre-boarding checks online prior to travel
- Assuring the genuine presence of the passenger when creating the travel credential
- Improving customer satisfaction by eliminating queues and expediting the boarding process





Authentication for Secure and Efficient Border Crossing

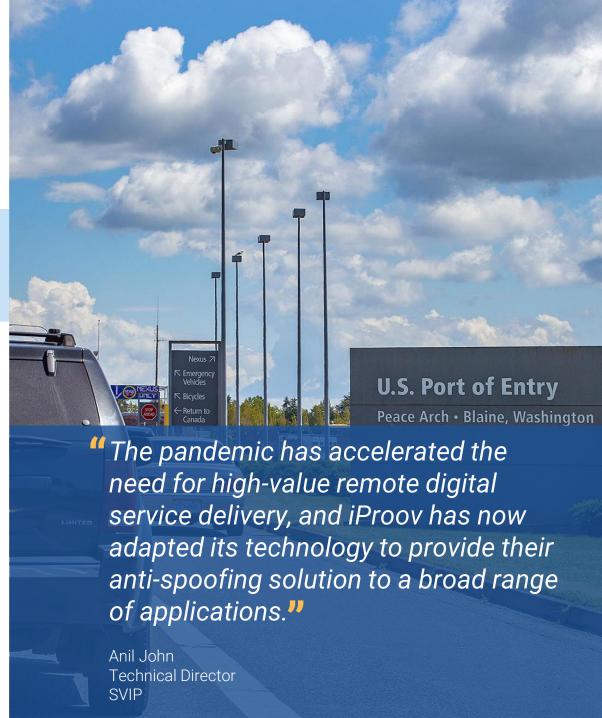


Authenticate users to quickly and securely cross borders without the need for CBP officer attendance

Enables travellers to quickly transit remote border ports of entry and exit

- Using secure, privacy focused, mobile application
- No direct CBP engagement, either in person or online needed
- Stringent security requirements, certified by Red Team testing





iProov Key Differentiators



• Effortless, passive with no verbal instructions. Inclusive of age, gender, ethnicity and cognitive ability

Security & resilience

 Red team tested. Verified by US, UK, Singapore and Australian governments as part of their national due diligence

Large commercial & national scale deployments

• Deployed in America, UK, Europe, Asia and Australian public and private sectors

iProov Security Operations Centre (iSOC)

• Real-time active threat management combats current and future threats

Underpinned by extensive governance

Technology and business is regularly audited to industry standards



♥proov



Thank you

Genuine Presence Assurance Right person, Real person, Right now

Andrew Bud CBE FREng FIET

Founder & CEO, iProov

contact@iproov.com

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