Improving Proof of Identity and Competence in the Construction Industry

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NOCN Group

Education & Skills Charity (UK & Internationally)

- Established in 1987
- Large, regulated international awarding organisation
- Market-leading independent apprentice End Point Assessment Organisation
- Access to Higher Education Courses
- Job Cards
- Industry Approved Short Courses SiteRight
- Assessment services
- Consultancy and research















NOCN Job Cards

Issues job cards for Construction Plant and Scaffolding that prove that an individual has achieved the required training, or competence based qualifications for the type of work they carry out, mainly in the UK construction industry.

- Helps people into employment through training and assessment
- Over 250,000 CPCS Card holders, 80,000 cards issues per year
- CPCS has 65 categories (types) of Plant
- CISRS has over 50,000 card holders and issues over 25,000 per year
- CISRS has 30 different cards UK, International, type etc.
- Individual need to do an industry test
- They have 2 year to get a qualification
- Then seen as competent and allowed to work on-site
- Renewal test after 5 years
- Widening to other trades, e.g. General training and Firedoor Installation

















Our Challenge

NOCN Job Cards issues a large number of different card types, designed to prove competency for various roles in construction, following training and testing.

- Limited information can be printed on the back of a plastic card
- Additional qualifications/ training required individuals to be sent a new card
- Cards could be used after expiry, as dates were not regularly checked
- Photos can be changed on cards
- Fake cards were being produced by criminals and sold via social media



















Our Requirements

- Secure digital card system to increase safety and security of workers and the wider community.
- Fraud prevention cards can't be copied or faked.
- Simple must work for most people i.e. via phone, and without the need for new hardware.
- High Quality the cards need to be clear to read visually and survive in harsh conditions.
- Ability to store greater amount of individual information securely.
- Reduction in plastics usage, carbon footprint and cost.
- Future proofing solution which would enable additional services / support.
- Flexibility so we can respond to issues















RFID Solution





US Patent:10,102,364 Verification of both identification and presence over a network

















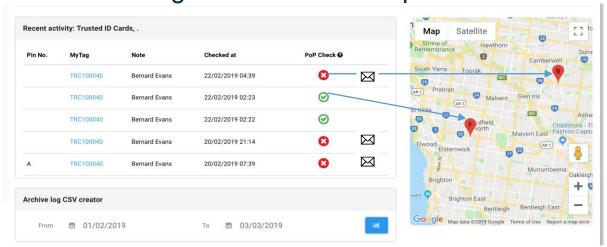


MyTAG Secure ID



US Patent 10,102,364

- Secure ID Cards that cannot be copied or cloned
- No App required to read
- Live reporting of counterfeited ID cards
- Real-time ID Card cancellation, renewal or amendment of ID Card data
- Real-time exception email reporting to allow immediate administrator interventions
- Geo-tracking of each ID card tap to mobile device



Multi-lingual available via the cloud

"NO REQUIREMENT FOR SPECIALIST NFC READERS, ANY STANDARD MOBILE WITH NFC CAN READ!"

















How the Solution Works



- On completion of assessment or qualification, NOCN holds the individual's data, and sends via MyTAG for their Job Card to be printed by Digital ID and dispatched to the worker.
- NOCN holds the training, testing and qualifications data on their secure servers for verification.
- Cards are HID NFC Cards, containing a Trusted Tag.
- At the construction site, the worker taps their Job Card on the NFC reader or mobile device.
- Genuine cards are authenticated, displaying name, photograph, training or testing record and qualifications.
- Manager checks the credentials equipment authorised for use, first aid qualifications etc















How it works







US Patent 10,102,364







The Authenticated banner



















Mobile Authentication

Patent 10102364



MyTAG Trusted iD

Unique codes every time





HTTPS://ABC127

HTTPS://ABC127









Secure Servers

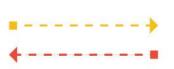


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Benefits of the new NOCN Job Cards



Patent 10102364

- Increased security. Individuals with cloned or altered cards cannot pass the test of the card being swiped on a reader or smartphone.
- Compliance with health & safety legislation. Ensuring the correct person with appropriate competence is carrying out the work.
- Additional data is available. e.g. individual medical records.
- Greater functionality. Communication with individuals, gate entry, equipment log books.......
- Simple to use, no App required.
- Reduction in plastic usage (30-40%). New categories do not require a new card.
- · Cost reduction.
- Flexibility new normal of responding to different situations covid 19 cards

















www.nocn.org.uk



Security within Wireless Technology

















