

# SECURITY FIRST WEARABLES

For healthcare and critical infrastructure

 CRAYONIC



# ABOUT



Developing secure digital identity products and solutions for highly usable and secure authentication, physical access, digitalization and e-signing.

Founded in 2017 in Eindhoven, Netherlands with in-house R&D and manufacturing in Slovakia.

## Core principles

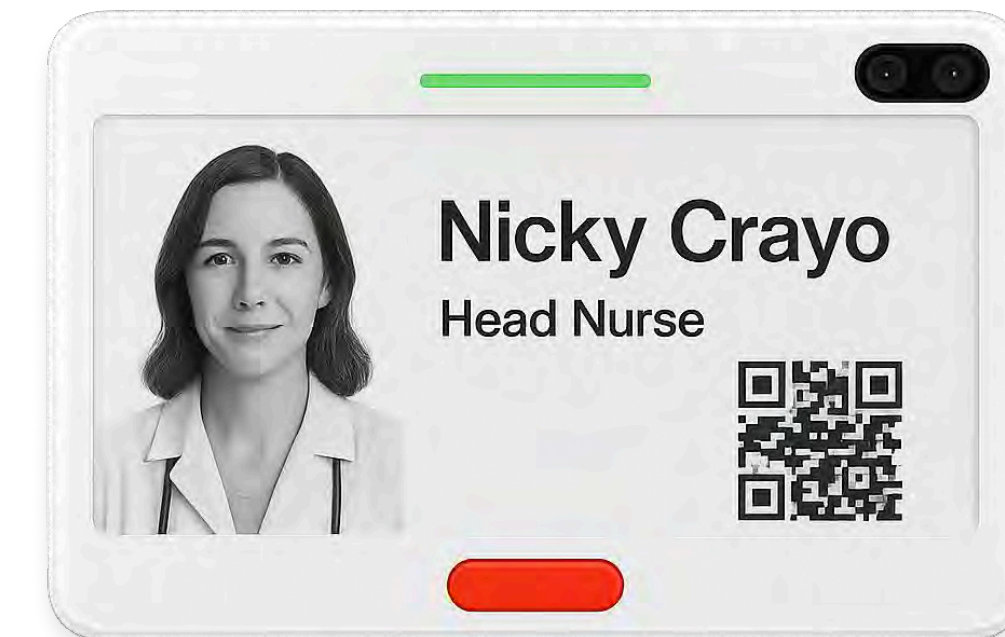
Privacy, Security, Usability, EU Compliance

## Expertise

Identity & Access Management, Security, Cryptography, Biometrics

## Experience delivering IAM to

Healthcare, DoD, Public and Finance sectors.





BADGE

# WEARABLE IDENTITY WALLET

Crayonic Badge™ combines biometric authentication, proximity access, encryption, and emergency features in one trusted device — designed to protect the most critical environments without the hassle of passwords.



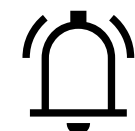
Biometric Multi-factor  
Authentication



Proximity-based Physical  
& Digital Access



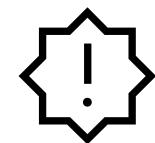
Encryption &  
E-Signing



Critical Notifications,  
Calendar & Paging



Physical Access Pass  
& Location Tracking



Panic Button with  
Location Ping





BADGE

# TECH SPECS



- Certified fingerprint sensor
- E-ink touch screen
- Audio buzzer
- Panic / Code Blue button
- 3D sensor for on-body detection
- IP67 Water resistant and cleaning agent compatible body



CC CERTIFIED  
SECURE ELEMENT  
EAL5+

Dimensions: 95 x 60 x 8 mm  
Weight: 80 g



- USB- C
- Bluetooth LE 5, NFC, IR
- Secure Element CC EAL 5+ certified
- Optional embedded Thales IDPRIME SIM
- LiPo Battery for weeks of operations
- Slot for full size smart card or access card with picture ID

# KEY FEATURES



## Biometric Multi-factor Authentication

Secure access with a simple touch. Fingerprint recognition adds a strong biometric layer to multifactor authentication, ensuring only the right person gets in.



## Proximity-based Physical & Digital Access

Seamlessly unlock both digital systems and physical spaces with secure proximity-based authentication, combining convenience with strong protection.



## Encryption & E-Signing

Protect sensitive data and digitally sign documents with strong encryption, ensuring authenticity, integrity, and compliance at every step.



## Critical Notifications, Calendar & Paging

Stay in control with instant critical alerts, integrated calendar access, and secure paging – keeping your team connected when every second counts.



## Physical Access Pass & Location Tracking

Control facility entry and monitor staff presence in real time, enhancing both security and operational efficiency.



## Panic Button with Location Ping

Trigger an instant SOS with real-time location sharing, ensuring rapid response and maximum safety in critical situations.



SOLUTION

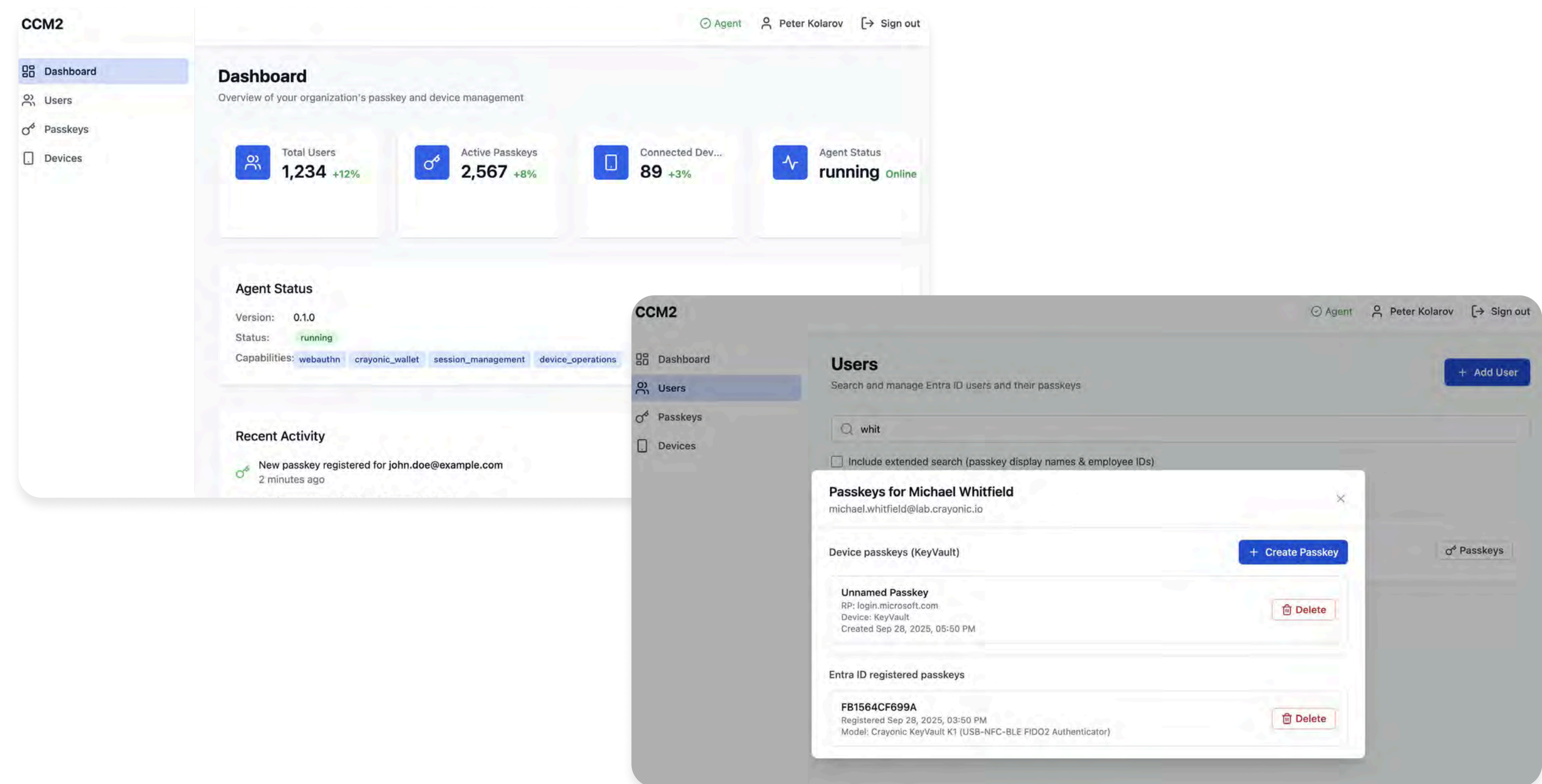
# MANAGEMENT FEATURES

## CREDENTIAL MANAGEMENT

Control and monitor life cycle of all credentials: FIDO2 Passkeys, X509 Certificates, Shared secrets (passwords etc).

On-board new employees and users with simple UI integrated with MS Entra ID and MS Active Directory.

Allow self-service credential provisioning /recovery without need for HR or IT involvement.





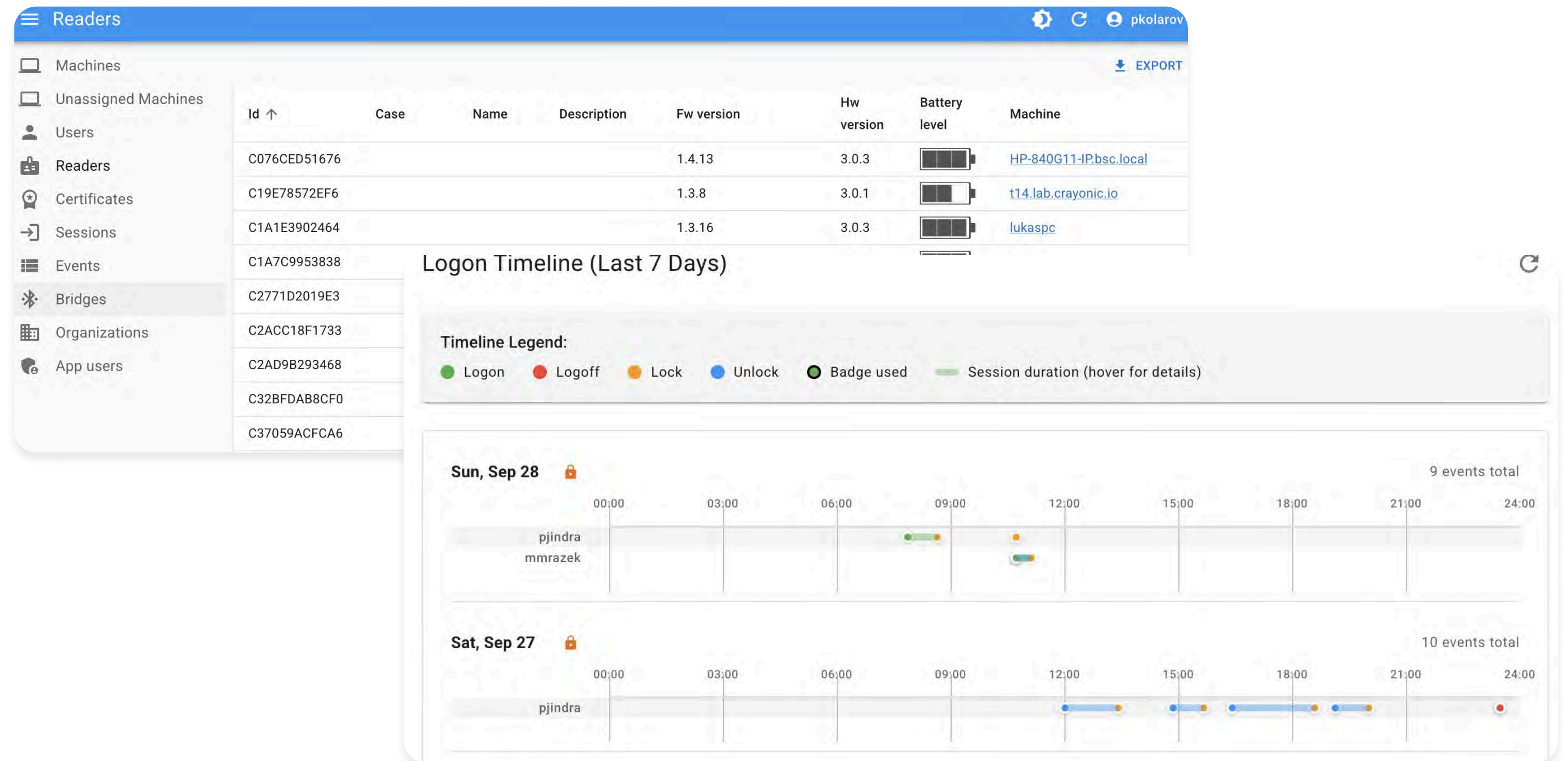
# MANAGEMENT FEATURES

## DEVICE MANAGEMENT

Control and monitor life cycle of all Crayonic devices such as Crayonic Badge, Crayonic KeyVault, Crayonic Bridge etc.

Monitor all end-points to see who access what, when and how. Remotely update and configure all devices.

Integrate with SIEM and AI such as MS Security Copilot. Use API to customize your integration.

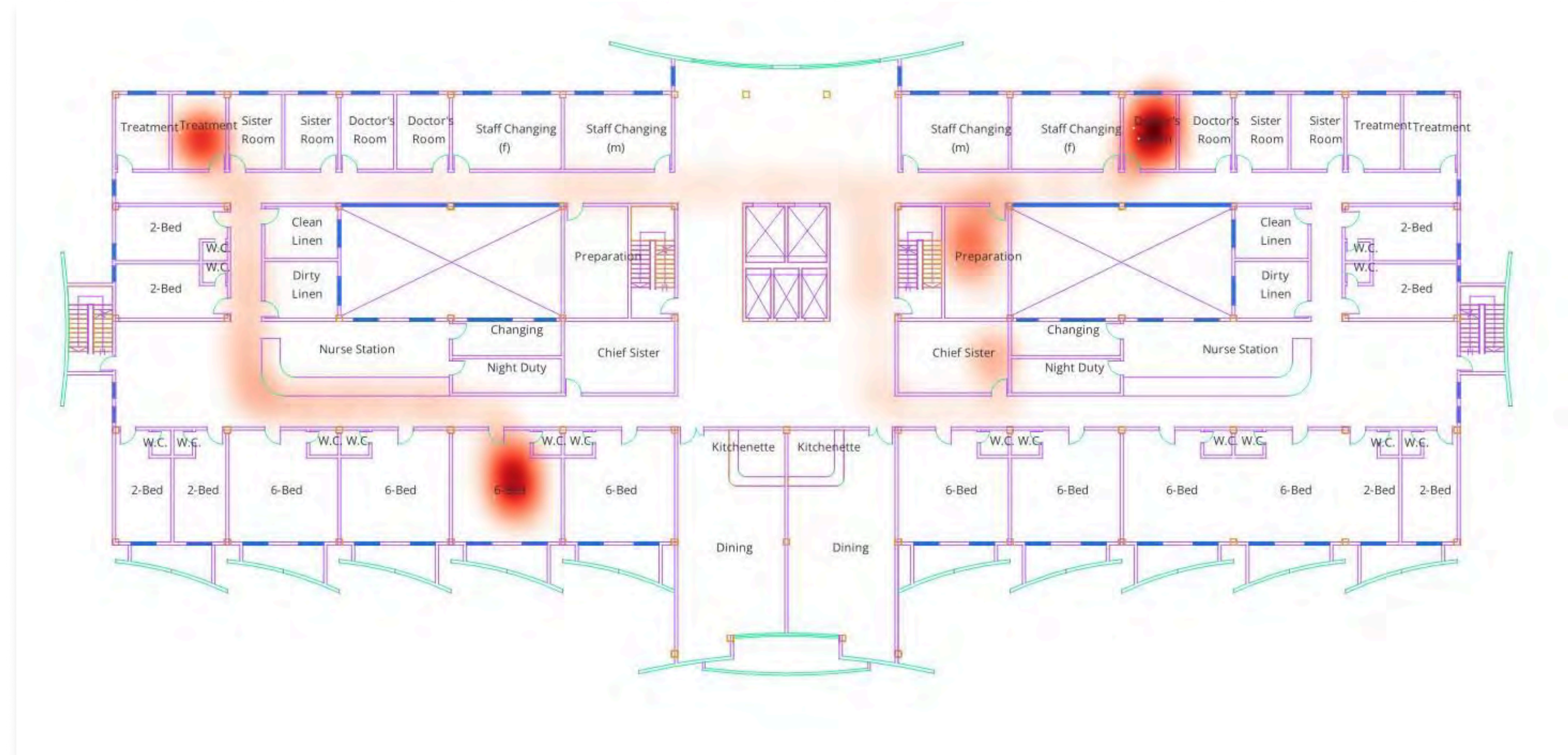


# PHYSICAL PRESENCE

## REAL-TIME LOCATION TRACKING

Panic button / Code Blue for personal and patient safety always in-reach.

Crayonic Badge™ enables tracking of staff location and movement within hospital departments, giving administrators real-time visibility into how teams operate.





BADGE

# SECURE PAGING

## CRITICAL NOTIFICATIONS, CALENDAR & PAGING

Crayonic Badge™ keeps healthcare teams connected with instant delivery of critical alerts, integrated calendar access, and secure paging functionality.

Whether it's a life-saving notification or a shift update, staff receive the right information at the right time, helping them respond faster, stay organized, and ensure smooth operation across departments.





BADGE

# BENEFITS

## EFFICIENCY

**Fastest Microsoft domain authentication** in the market – enabling staff to access systems instantly, saving valuable time and reducing login frustration.

**Real-time location services** – track staff movement and monitor department activity to optimize workflows, improve logistics, and ensure resources are in the right place at the right time.

**Efficient notifications and paging** – deliver critical alerts and messages immediately, keeping teams informed, coordinated, and ready to respond in any situation.

## COMPLIANCE

Achieve regulatory compliance with **NIS2 and HIPPA** for phishing resistant multifactor access to data and physical spaces.

## SAFETY

Comply with **personal & patient safety** rules with integrated panic button, fall detection, location tracking indoors.

## OPERATIONS

Simple operations and monitoring with central device and credential management with **SIEM, MS Entra ID integrations**. Works offline without single-point-of-failure.

## ROI

Minimizing IT costs with **self-service provisioning**, simple deployment via Microsoft infrastructure, easy scaling and deployment.

# CRAYONIC vs. COMPETITORS

| Features   | CRAYONIC | IMPRIVATA | OKTA | THALES | HID | YUBICO |
|--|----------|-----------|------|--------|-----|--------|
| Phishing-resistant MFA   | ✓        | ✓         | ✓    | ✓      | ✓   | ✓      |
| Decentralized Biometric Security   | ✓        | ✗         | ✗    | ✓      | ✓   | ✓      |
| Frictionless Proximity Domain Login & Logout   | ✓        | ✗         | ✗    | ✗      | ✗   | ✗      |
| eIDAS2 EU Digital Identity support   | ✓        | ✗         | ✗    | ✗      | ✗   | ✗      |
| Hands-free Secure Communications   | ✓        | ✗         | ✗    | ✗      | ✗   | ✗      |
| AI Assisted EHR data access  | ✓        | ✗         | ✗    | ✗      | ✗   | ✗      |
| Indoor Location Tracking & Emergency Support<br><small>In development, available Q2 2026</small> | ✓        | ✗         | ✗    | ✗      | ✗   | ✗      |
| Regulatory Compliance (NIS2, HIPAA)  | ✓        | ✓         | ✓    | ✓      | ✓   | ✓      |

# WEARABLE ASSITANT In Development

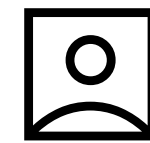


MEDAILA

## Secure AI and Identity Assistant



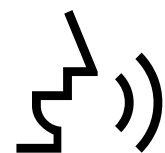
Face biometrics for proximity access



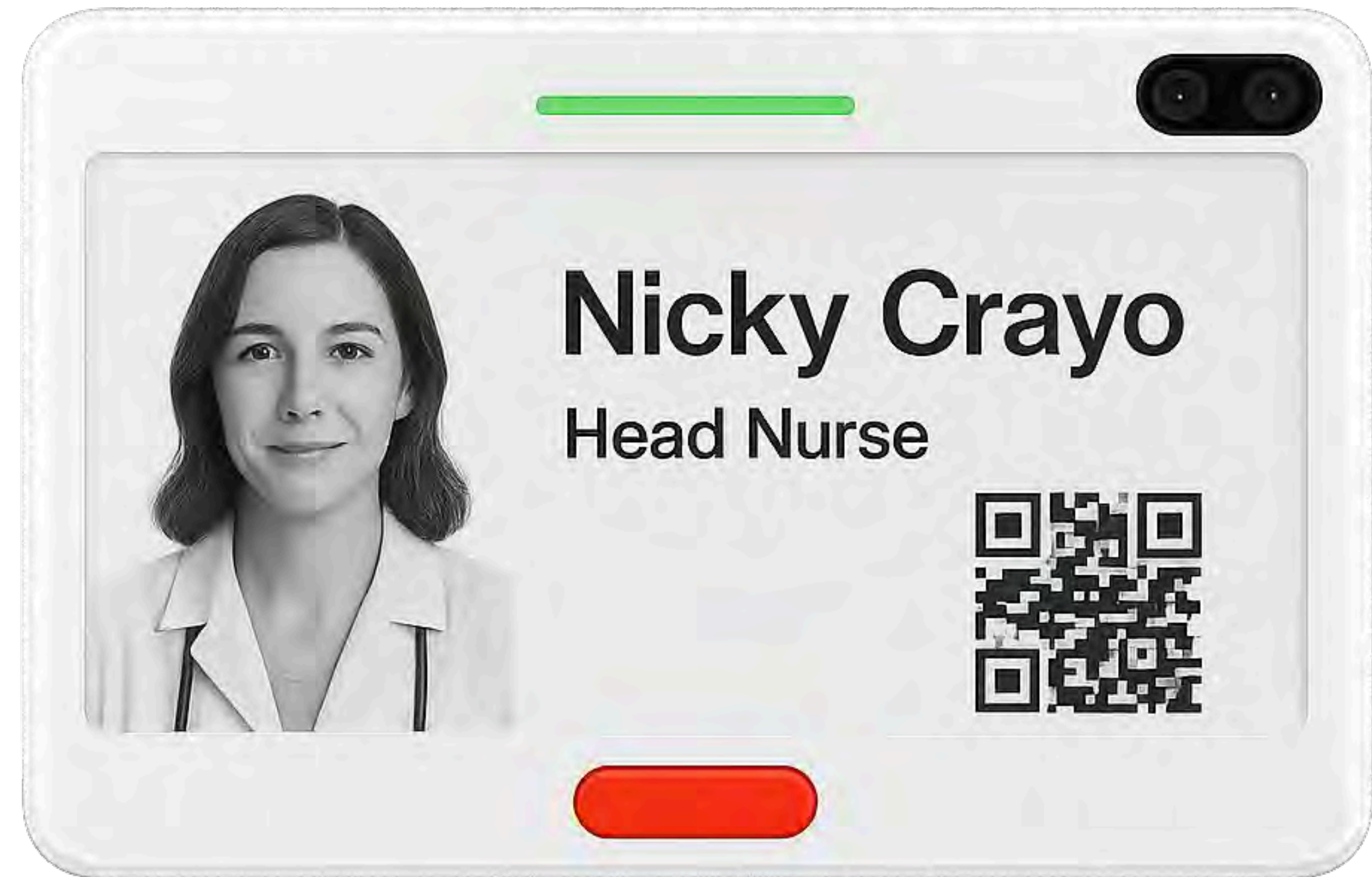
Compatible with EU Digital Identity Wallets (EIDAS2)



Secure & Auditable Multimedia comms supported by AI



Hands Free Operation with Voice-powered AI assistance for easy patient record access





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