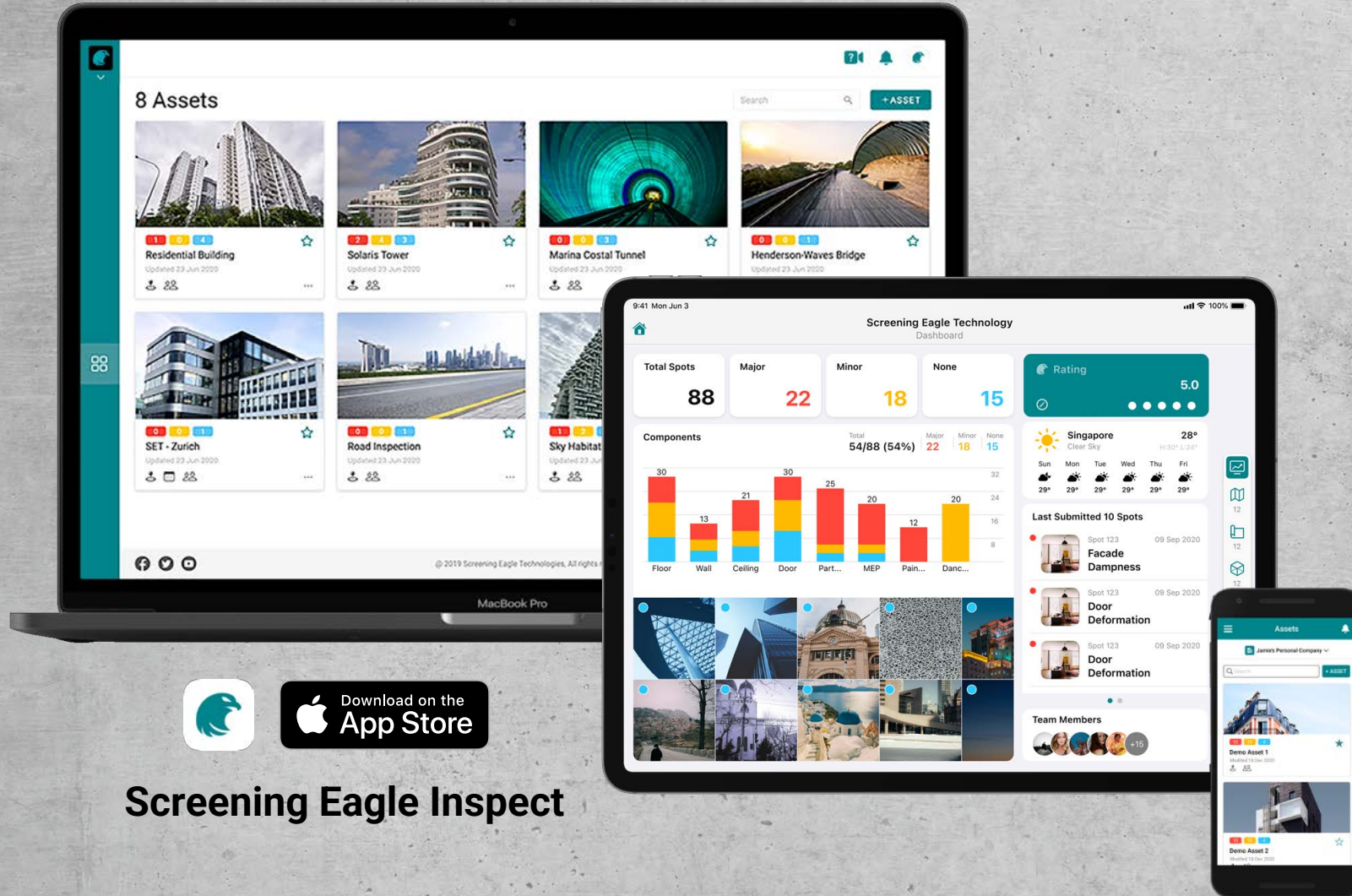




HOW to Inspect Concrete Structures

INSPECT ► The digital reporting tool for Inspectors and Engineers



Digital workflow solution for **engineering records, quality control, inspection** and **full asset condition management**.

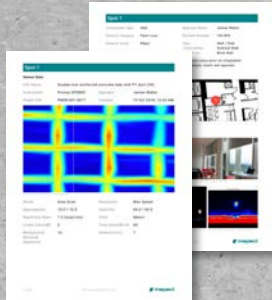
- iOS app for iPad
- OS agnostic web app for mobile phones
- Web based desktop management portal
- Create digital twin (2D, 3D, Map) of asset
- Manage all asset documentation
- Create customizable one-click reports
- Automated location-based photo reporting
- Collaborate with remote teams
- 3D scan capability (built-in iPad LiDAR)
- Seamless NDT data integration
- Open data format exports and integration



HOW to Inspect Concrete Structures

INSPECT ► Inspection Workflow

Inspection Report



- One-click reporting
- Customizable report
- Digital work order issuance

Data Analysis



- Dashboard analytics
- Asset health status

Repair &
Maintenance

Pre-Inspection



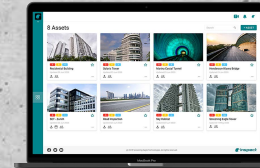
End-to-end inspection software platform

- ✓ Structured and customizable workflow management
- ✓ Encrypted data stored in different cloud-based data centers
- ✓ Data available anytime and anywhere
- ✓ Significantly reduced reporting time

Post-Inspection

Field Inspection

Asset preparation



- Customize workflow
- Team administration

Data Collection



- Create SPOTs & take photos
- Import sensors data
- Define location



HOW to Inspect Concrete Structures

INSPECT ► Focus on Inspection – Not Paperwork



improve
Quality

3x

more digital observations

field observations for **Inspectors**
to support complete assessment

traceable and
reliable data



increase
Productivity

100x

Faster Reporting

for **Inspectors** on structured
data collection and reporting to

save time and
money



secure
Asset Data

Forever

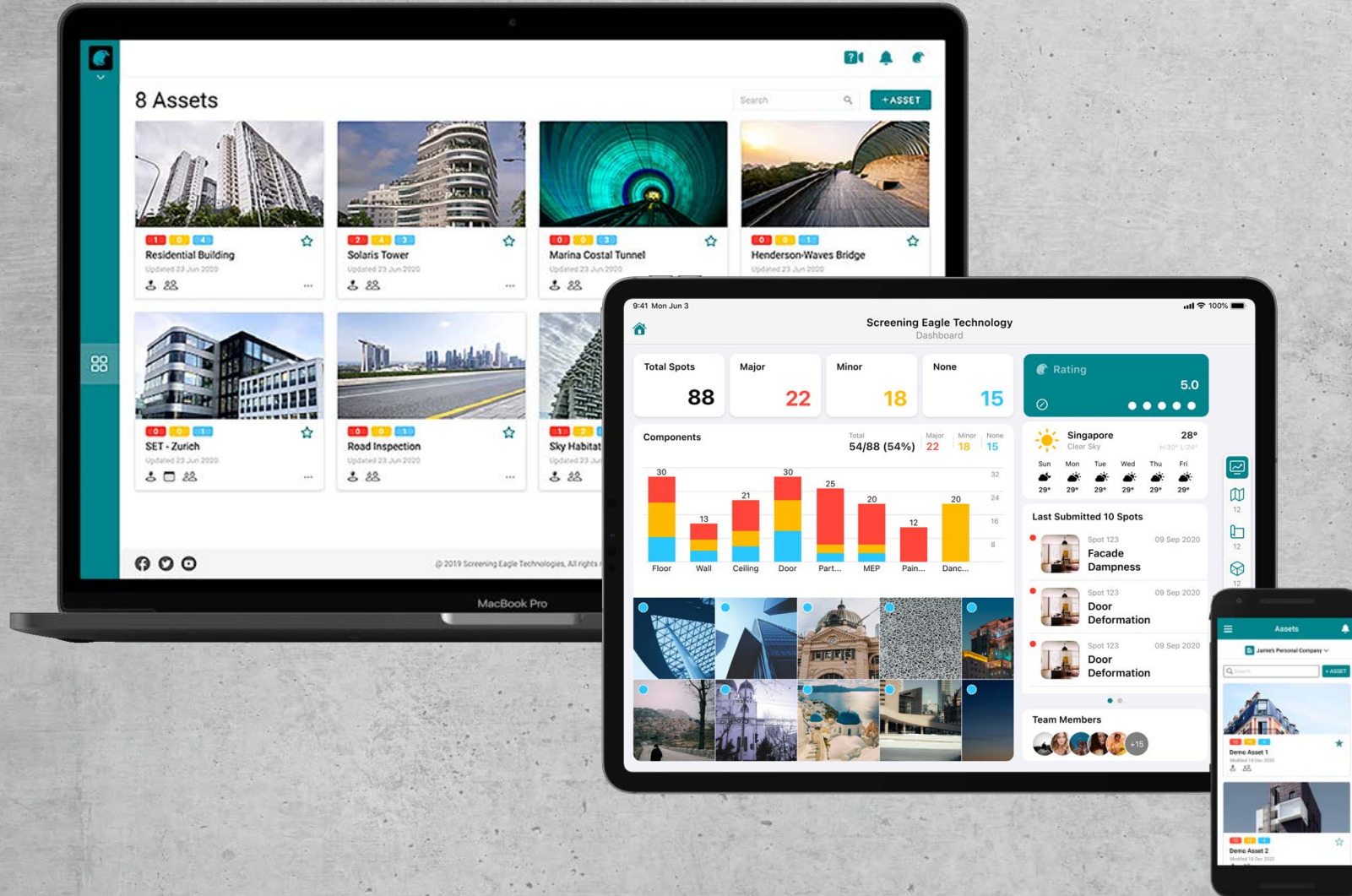
for recurring inspections and
digital health record for **Owners**

24/7 access to
analytics



HOW to Inspect Concrete Structures

INSPECT ► Digital Twin



Manage all your Inspection Data

MAP

2D (Drawings, Sketches)

3D (BIM Model, Point Cloud)

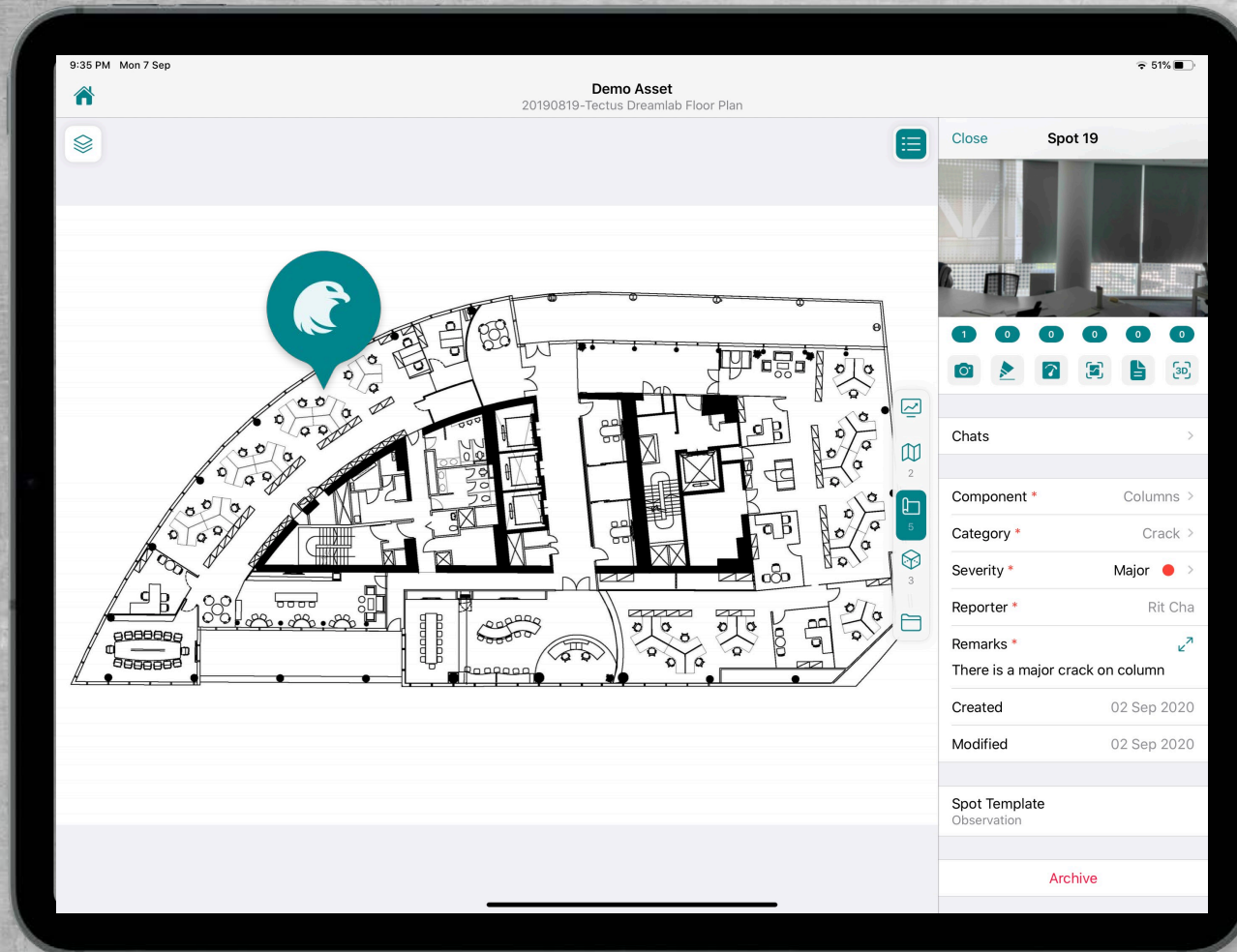
Track automatically

**WHAT
WHERE
WHEN
WHO**



HOW to Inspect Concrete Structures

INSPECT ► Location (SPOT) is at the Core



Structured data collection

Precise data location

Customizable input fields



HOW to Inspect Concrete Structures

INSPECT ► Swiss Army Knife

Intuitive and **effective tool** set for inspection **data collection**



Photo



Sketch



NDT Data



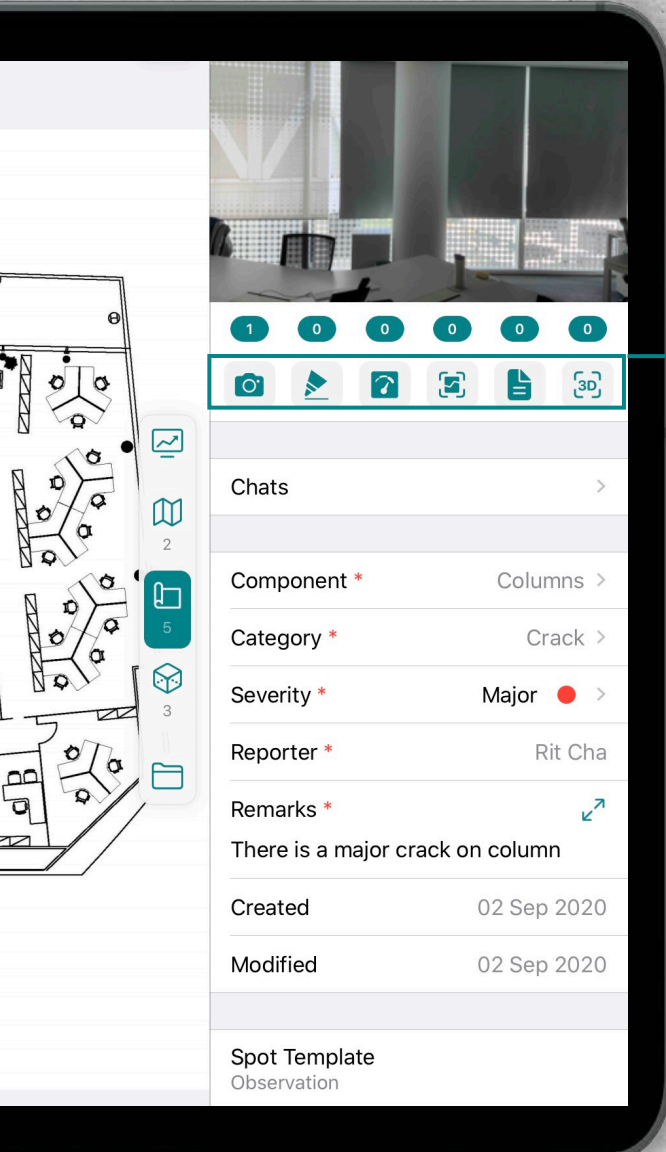
AI DEFECT



Documents



3D SCAN



Live CHAT

Fully customizable SPOT Templates

- NEN* template integration
- Severity customizable per company standards

*NEN: The Royal Netherlands Standardization Institute



HOW to Inspect Concrete Structures

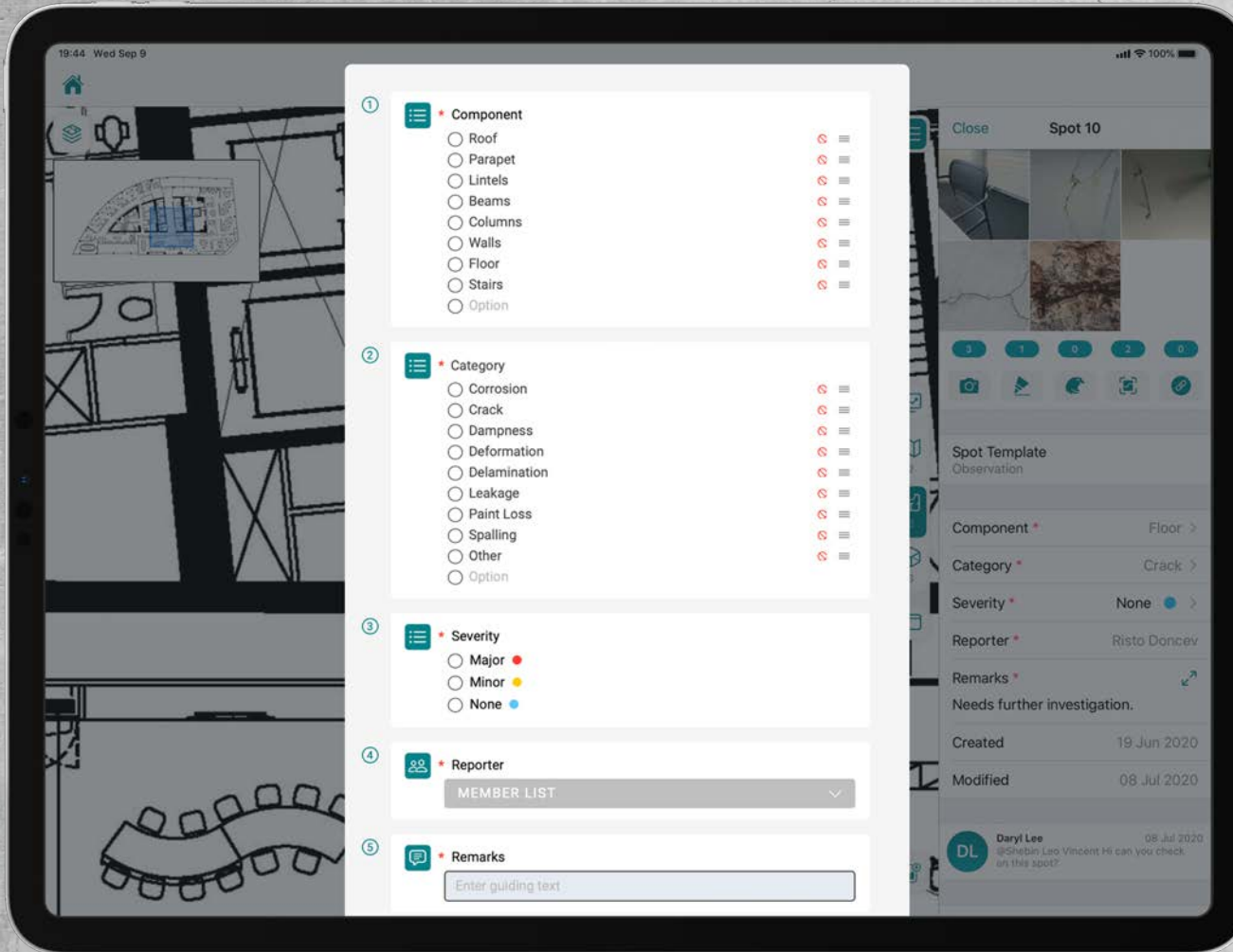
INSPECT ► Dynamic Dashboard – Single Source of Truth





HOW to Inspect Concrete Structures

INSPECT ► Intuitive SPOT Input Customization



DRAG & DROP CONFIGURATION

Adapt to any workflow

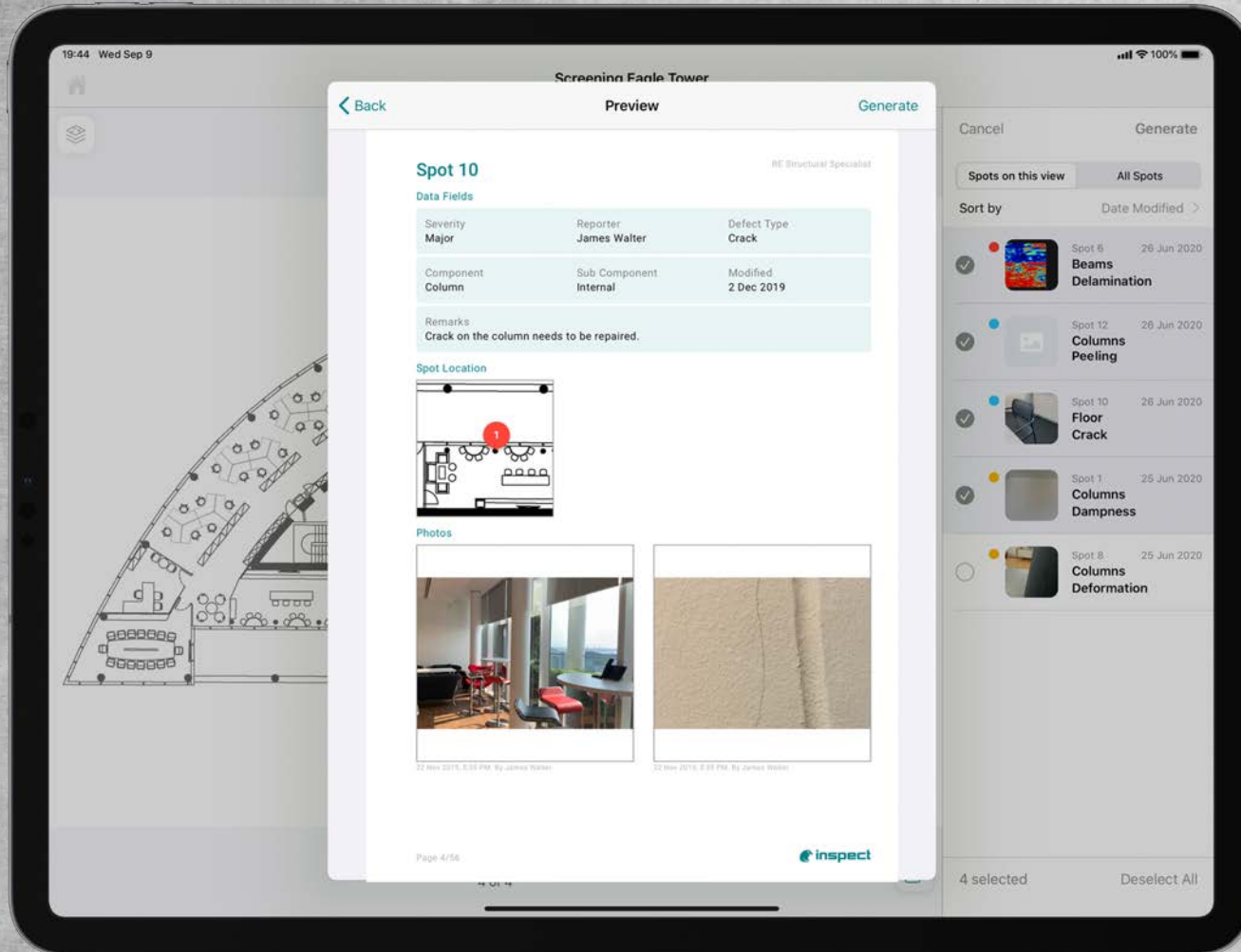
Compliance with local standards

Configurable from anywhere



HOW to Inspect Concrete Structures

INSPECT ► 1 – Click Reporting



Faster report generation

100x

- Quick reporting from App
- Fully customizable reporting templates
- View and share directly from the field

Benefits

- ✓ Increase productivity
- ✓ Improve collaboration
- ✓ Save time, resource, and money

HOW to Inspect Concrete Structures

INSPECT ► AI DEFECT Digitalization

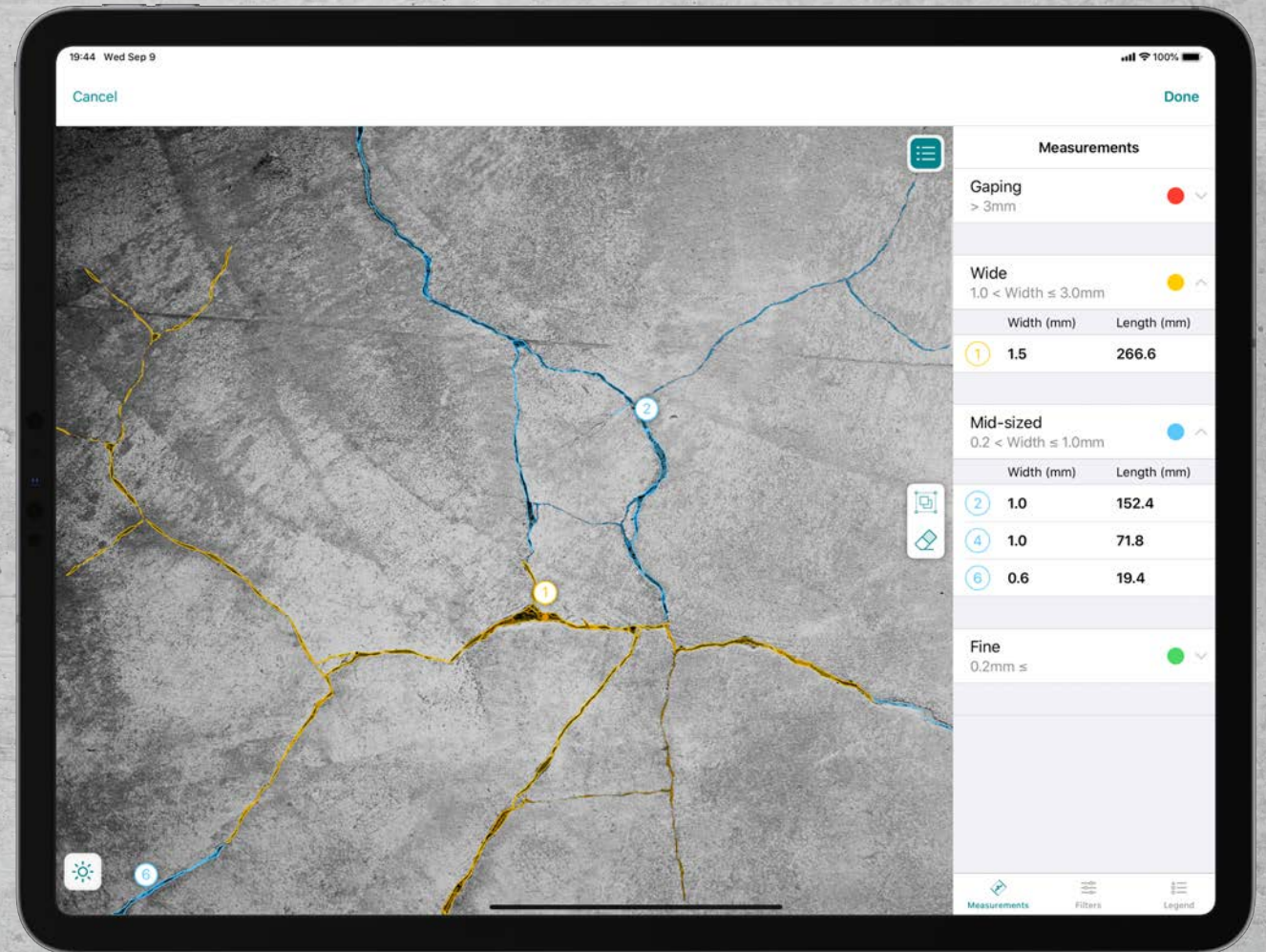
Test pictures for Neural Network

16 million

- AI crack digitalization incl. CAD export
- Crack dimensioning (reference input)
- Edit crack, add/remove parts

Benefits

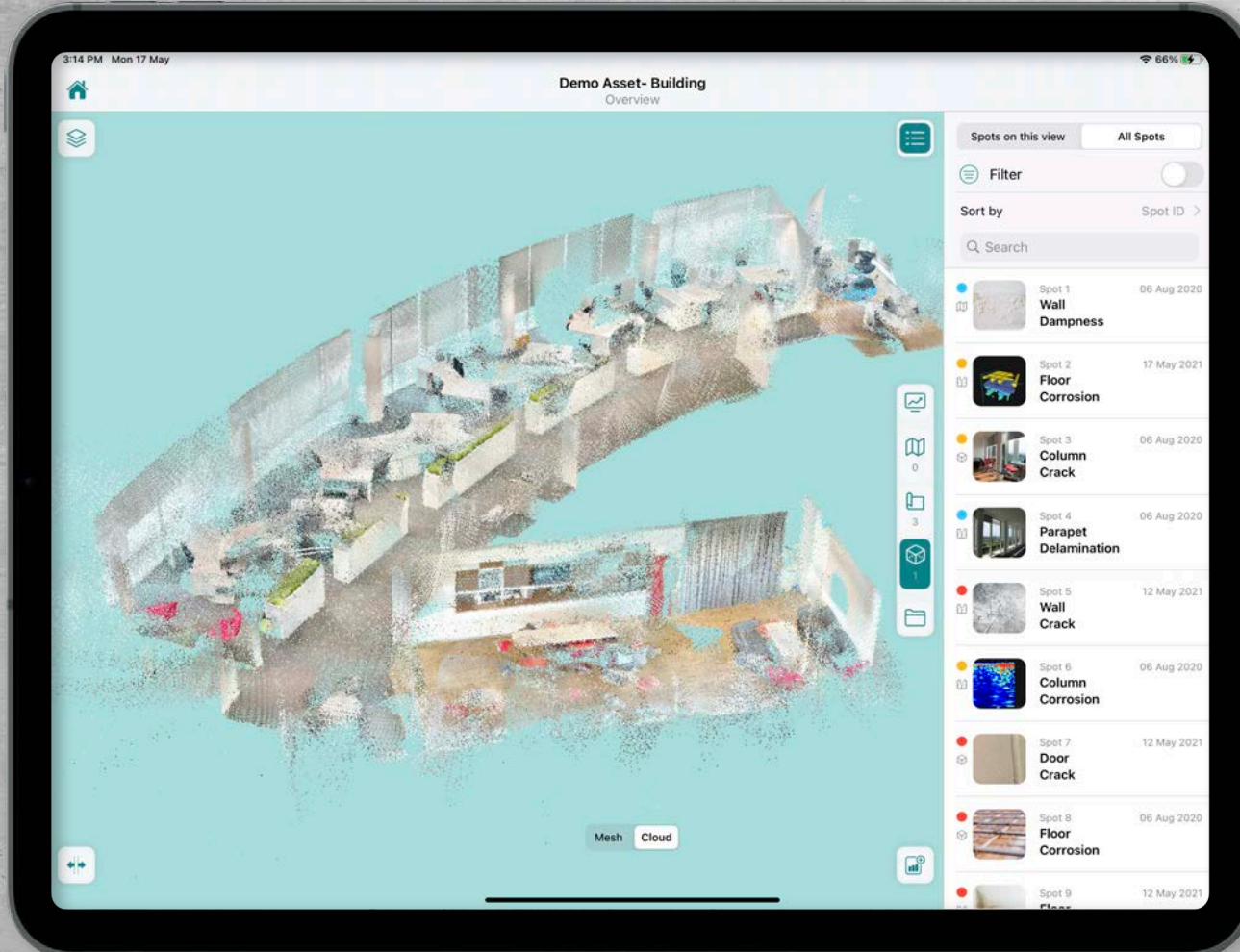
- ✓ Reduce guess work
- ✓ Increase productivity
- ✓ Path to predictive maintenance





HOW to Inspect Concrete Structures

INSPECT ► 3D Scan - Reality Replica



3D Scan

Make it reality!

- Point cloud as 3D view in Inspect
- 3D scan using LiDAR
- Point cloud export of asset (.obj)

Benefits

- ✓ Save time & money to create 3D replica
- ✓ Easy to use, no expert knowledge required
- ✓ Dimensioning of asset

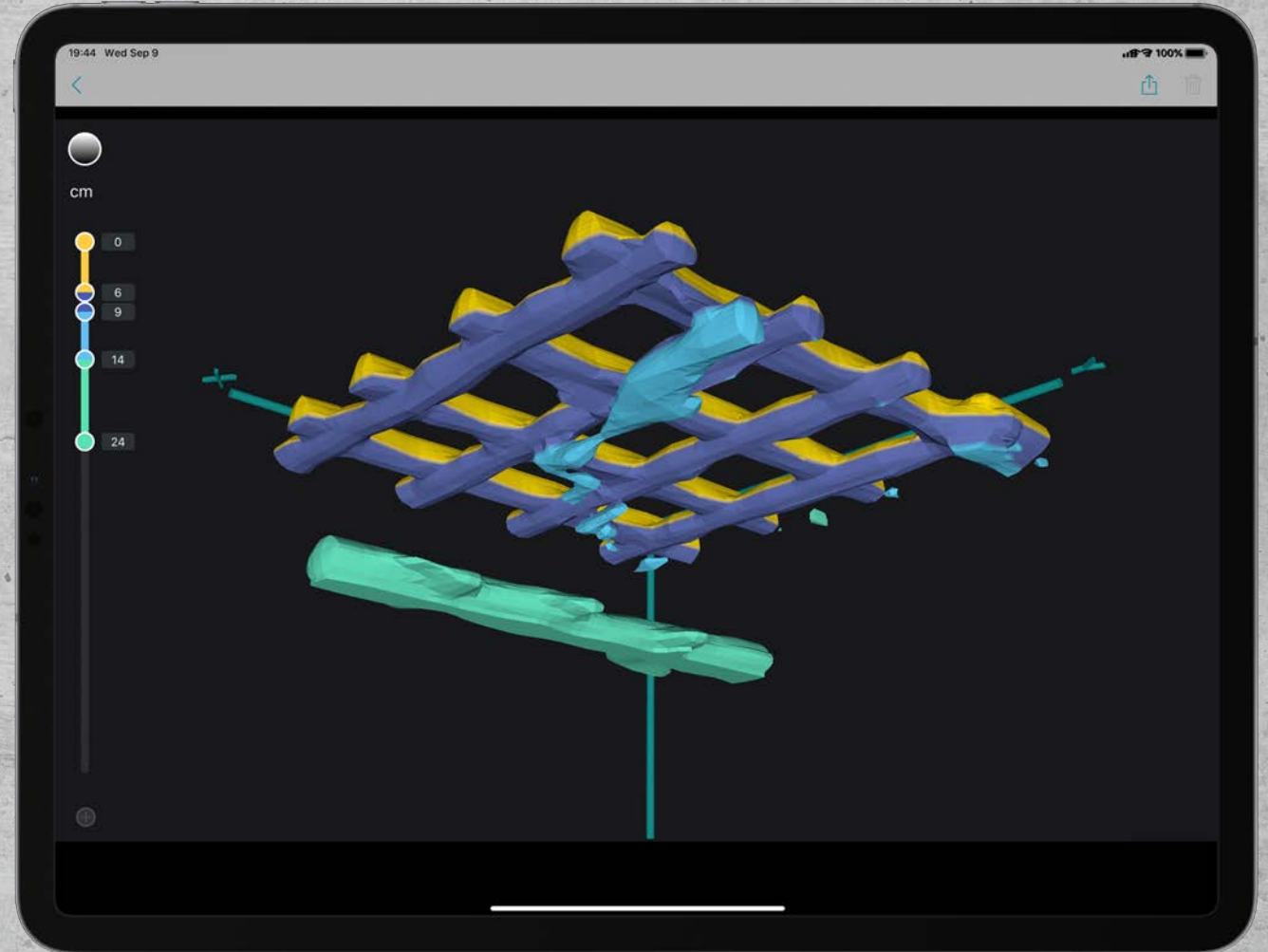


In-depth Data Imaging

- Seamless NDT data integration **gp** **os** **pd**
- Quick view of sensor data
- Include valuable information into report

Benefits

- ✓ Improve data quality
- ✓ Complete and comprehensive analysis
- ✓ Better visualization





HOW to Inspect Concrete Structures

INSPECT ► CAPTURE your surroundings

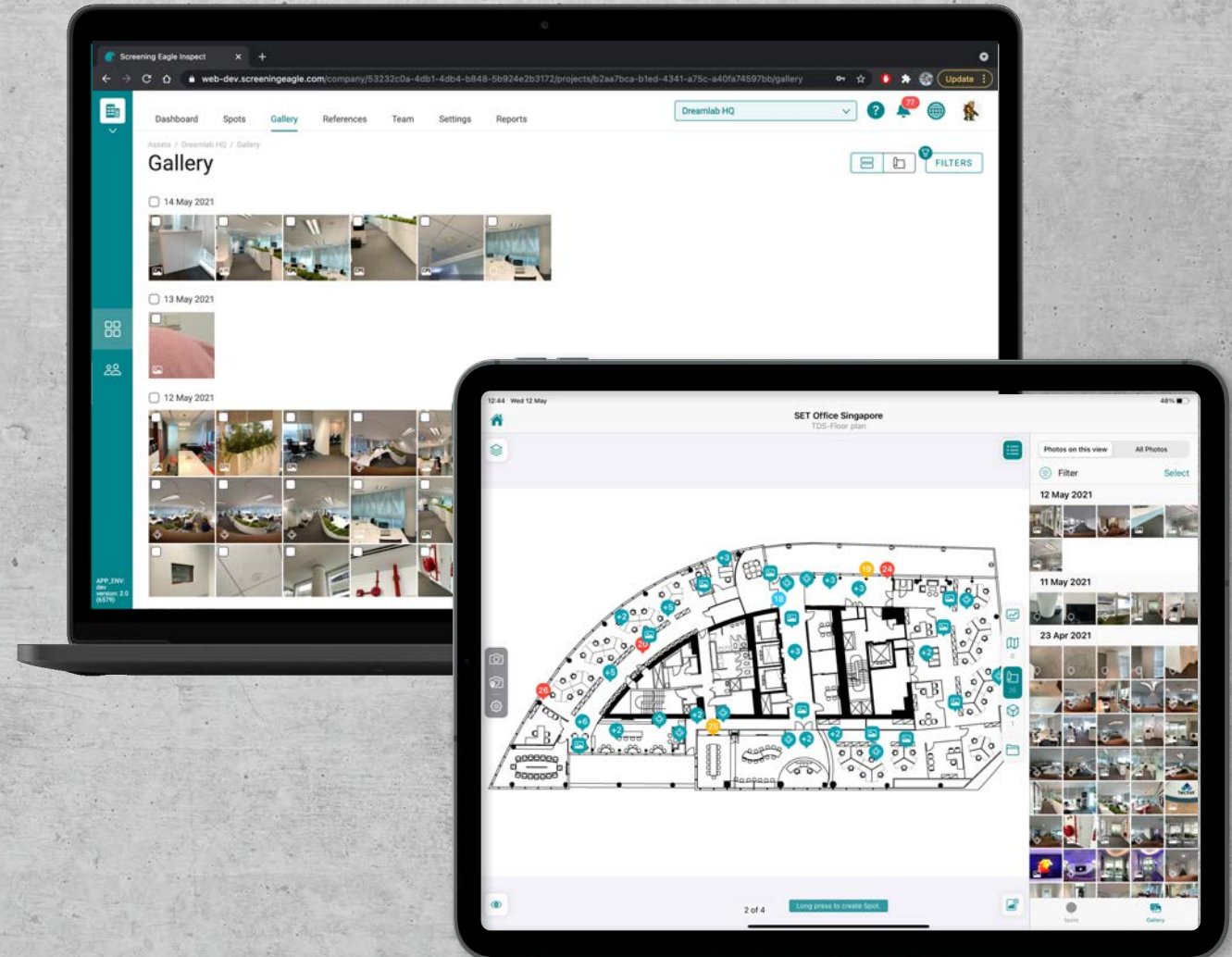
Reduce photo-reporting time

20x

- Smart **location-based photo** documentation
- Automatic photo-taking (future release)
- Camera roll & 360° photos

Benefits

- ✓ Organized photo documentation
- ✓ Accurate location references
- ✓ Full visual context





HOW to Inspect Concrete Structures

INSPECT ► CAPTURE in 3 workflows to fit all needs

CAPTURE



Manual

Photo captures and manual location tagging on floor plans



Assisted

Photo captures and automatically **location-tagged** photos on floor plans



Automatic

Automatic 360° photo captures and real-time location tracking on floor plans.





HOW to Inspect Concrete Structures

INSPECT ► Comprehensive Feature Set for InspectionTech

Core Functions



2D View



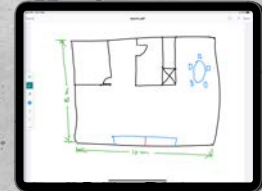
3D View



GeoMap



Picture Sketch



Collaboration



Report



Dashboard



Access Management



Chat



AI & Data Analysis



NDT Sensor Data



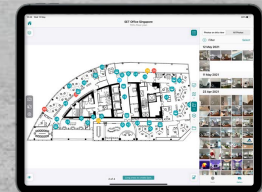
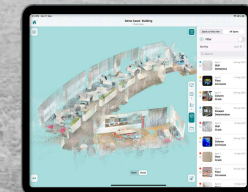
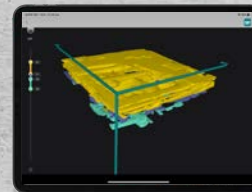
AI DEFECT



3D SCAN



CAPTURE





International Standards & Guidelines

Visual Inspection ► INSPECT



EN/TS 17385 "Method for condition assessment of immobile constructed assets"
(Europe)



ASTM E2018 "Standard Guide for Property Condition Assessment"
(USA)



InterNACHI "Home Inspection Standards of Practice"
(USA)



NRCC 36913 "Protocols for building condition assessment"
(Canada)



RICS "Surveying Assets in the Built Environment, 1st ed. 2017"
(UK)



NEN2767 "Condition assessment built environment"
(Netherlands)



MBIS "Mandatory Building Inspection Scheme **HKIS** Professional Guide to Building Inspections"
(Hong Kong)



AS4349.1 "Inspection of buildings - General requirements"
(Australia)