QR- code based CMMS for Solar and Wind Farms.

Pintotag by Belichberg GmbH

BELICHBERG

Product Developer

QR- code based CMMS for Solar and Wind Farms .

→ Registration and Tracking through QR- codes

→ QR codes give you an easy way to to track working tasks and real-world assets in your CMMS.

→ It contains information that can be interpreted by a smartphone, tablet or a special scanning device — in most cases a web address, numbers, or text.

→ We generate unique QR codes that can be placed on sites, assets and devices, which link directly to the CMMS page.

→ Print your QR codes and attach them to their corresponding asset or site.

→ Scan any asset with an attached QR code to connect directly to the asset, in order to request work orders, look up useful information, or register working tasks.

TurboGreen   XXXX-NAME

Check In

SCAN HERE

🇩🇪 DEU   🇬🇧 ENG

Bitte scannen Sie den QR Code und folgen Sie den Anweisungen auf dem Display. Sollte die QR Anwendung nicht erreichbar sein, melden Sie sich bitte telefonisch bei der Betriebsführung
+43 (0) 0000 000 00 00

Please scan the QR code and follow the instructions on the display. If the QR code is not working, please notify the operational Management by phone
+43 (0) 0000 000 00 00

Example : Registration form

Scan QR-code

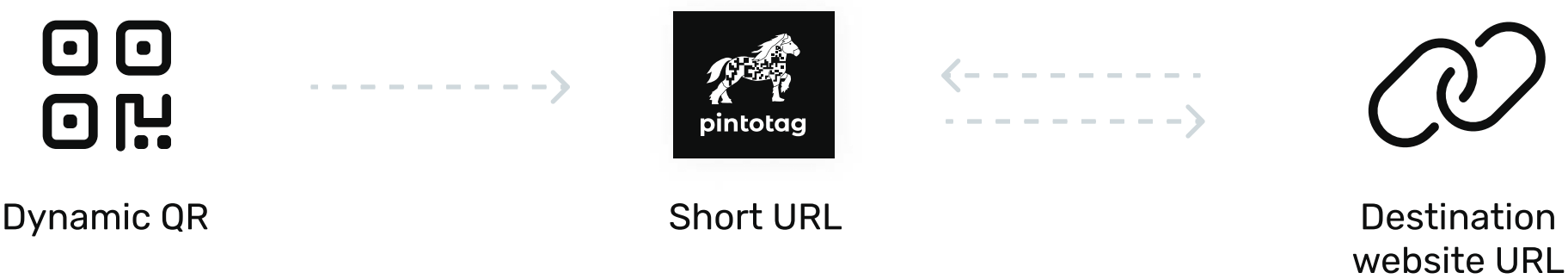**Check in form**

Next step

Finish & result

Dynamic QR- Codes

We provide Dynamic QR codes.

(QR- codes have a short URL embedded in the code, which can redirect the user to the destination website URL. The destination URL can be changed after the QR code has been generated, while the short URL embedded in the code remains the same.)

Dynamic QR · Short URL · Destination website URL

Any information linked to the QR- code can be changed and updated at any time.
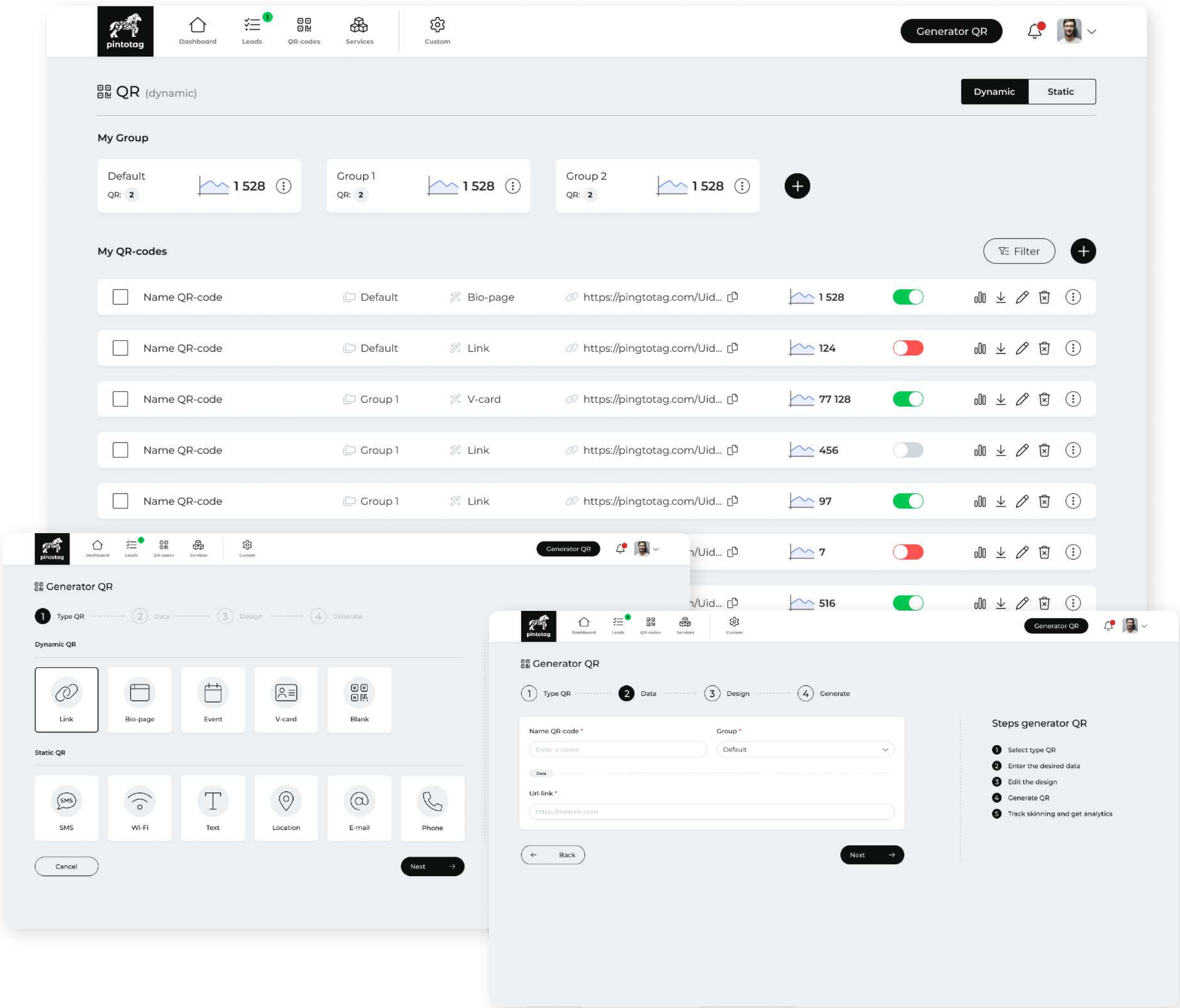
Maintenance Control and Inventory management

→ Track installation, repair and maintenance service on site.

→ Track supplies and materials in real time with QR code scanning

→ Follow execution in real time (Notifications)

→ Filling out maintenance, service and inspection digital forms.

→ Documentation (Field technicians will be able to access all details, including past service and maintenance history, on the job site by scanning a QR code)

→ Add a description for components or devices (references, brand, model, characteristics and components, documentation, photos, digital maintenance booklet, etc.)

Generally more transparency and awareness of business processes on site

Benefits:

→ Tracking of Curative and preventive Maintenance reports from network partners (Time, categories, comments...)

→ Visual Inspection documentation for Green Areas Managing and Cleaning

→ Add Maintenance history and Instructions to devices and components

→ Add Precaution Information for Cleaning of inverters and electrical systems

→ Track assets receiving and storage on site. Stock optimisation

→ Maintenance documentation for standards and certification (IEC)

→ Documentation of alarm chain quality check

Monitoring and Incident- Management

→ Detailed malfunctions and incidents report

→ Add documentations and instructions to devices and sites (different manufacturers)

Lifecycle Management

→ Adapting to legal requirements by dynamic changing of documentations.

→ Reports as a means of proof of insurance (document as evidence for your insurance which states that you have complied with the prescribed maintenance intervals and legal regulations.)

→ Documentation of country-specific legal requirements (Inspection of Medium-Voltage Systems)
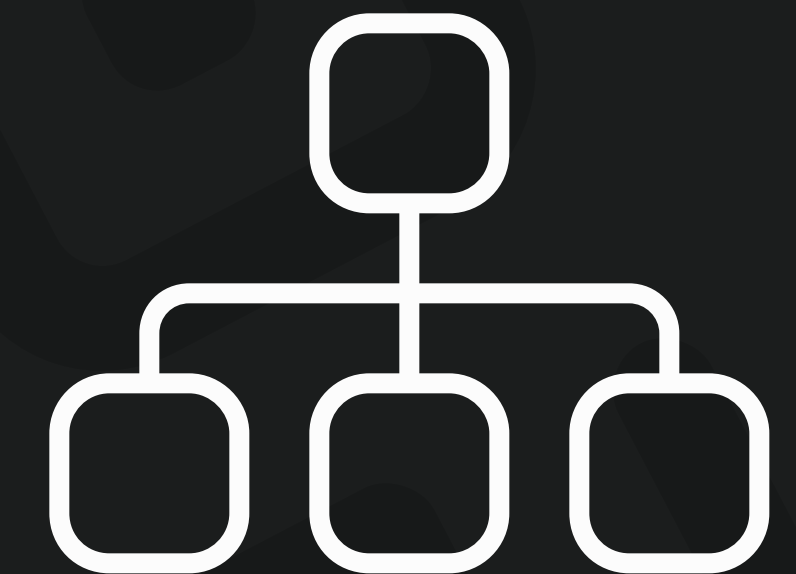
Integration (API)

Our system is flexible and can be integrated in your exited IT - ecosystem or in any third party system.
With pintotag it is possible to notify and document each step of the events in real time.

QR Code

API

Your IT ecosystem

# Performance Analysis and Optimising

Additional data of:

$\longrightarrow$ Preventive / curative ratio

$\longrightarrow$ Time on the road, Mean Time Between Failures (MTBF)

$\longrightarrow$ Total Time To Repair or Mean Time To Recovery (MTTR)

$\longrightarrow$ Mean Time To Failure (MTTF)

$\longrightarrow$ Execution time of the maintenance order

$\longrightarrow$ Traveling time, Diagnostic delay, Repair time "on site"

$\longrightarrow$ Inventory replenishment time, assets receiving and storage on site.

$\longrightarrow$ Access solar panels / wind turbines life time history via QR Inventory software reports.

Optimisation:

$\longrightarrow$ Generate, plan, assign tasks to technicians

$\longrightarrow$ Know the load/capacity of your technical teams

$\longrightarrow$ Maintain an adequate stock of inventory (stock and re-order as needed)

$\longrightarrow$ Access solar panels / wind turbines life time history via QR Inventory software reports

$\longrightarrow$ Predictive Maintenance and inventory Management.
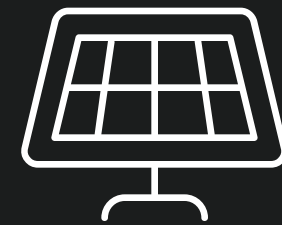
Management Platform, Real-time Dashboard
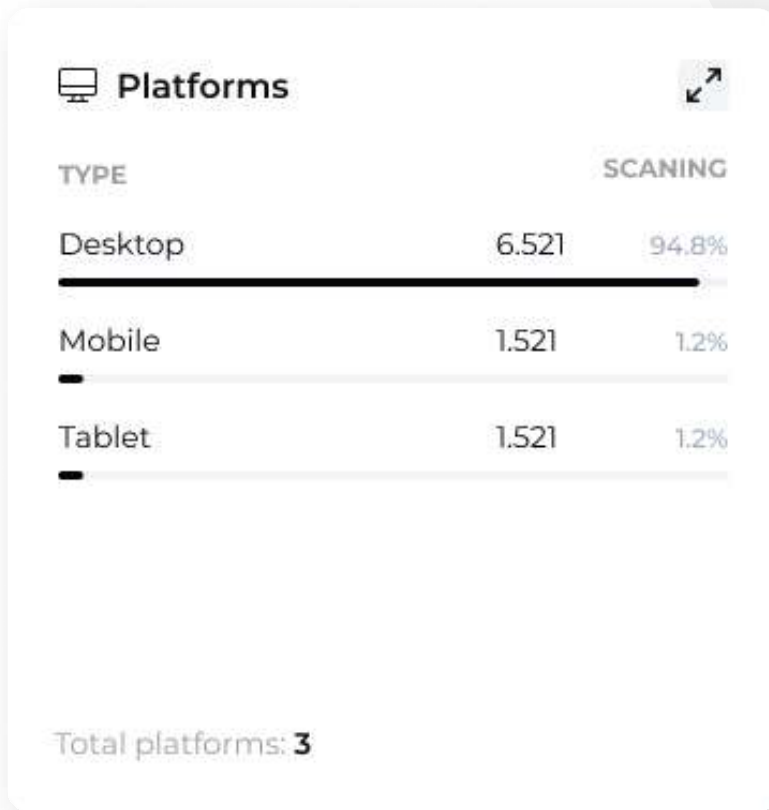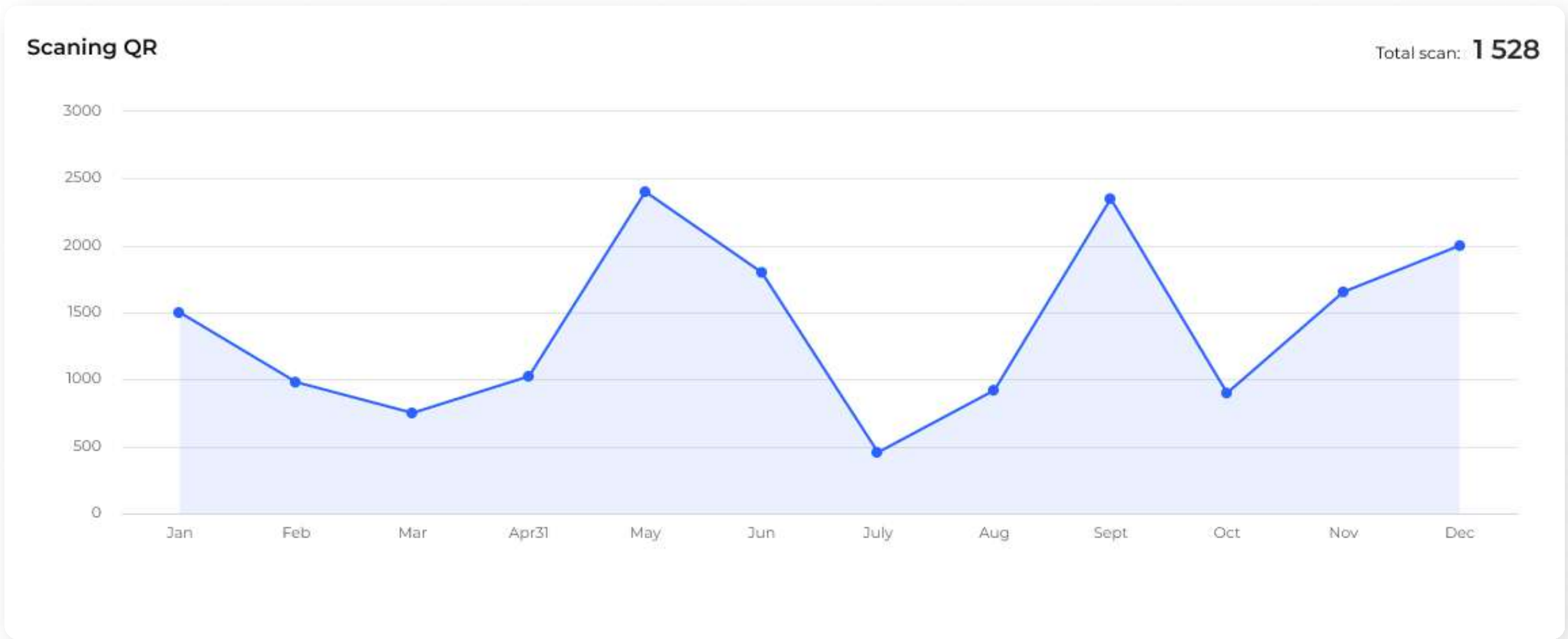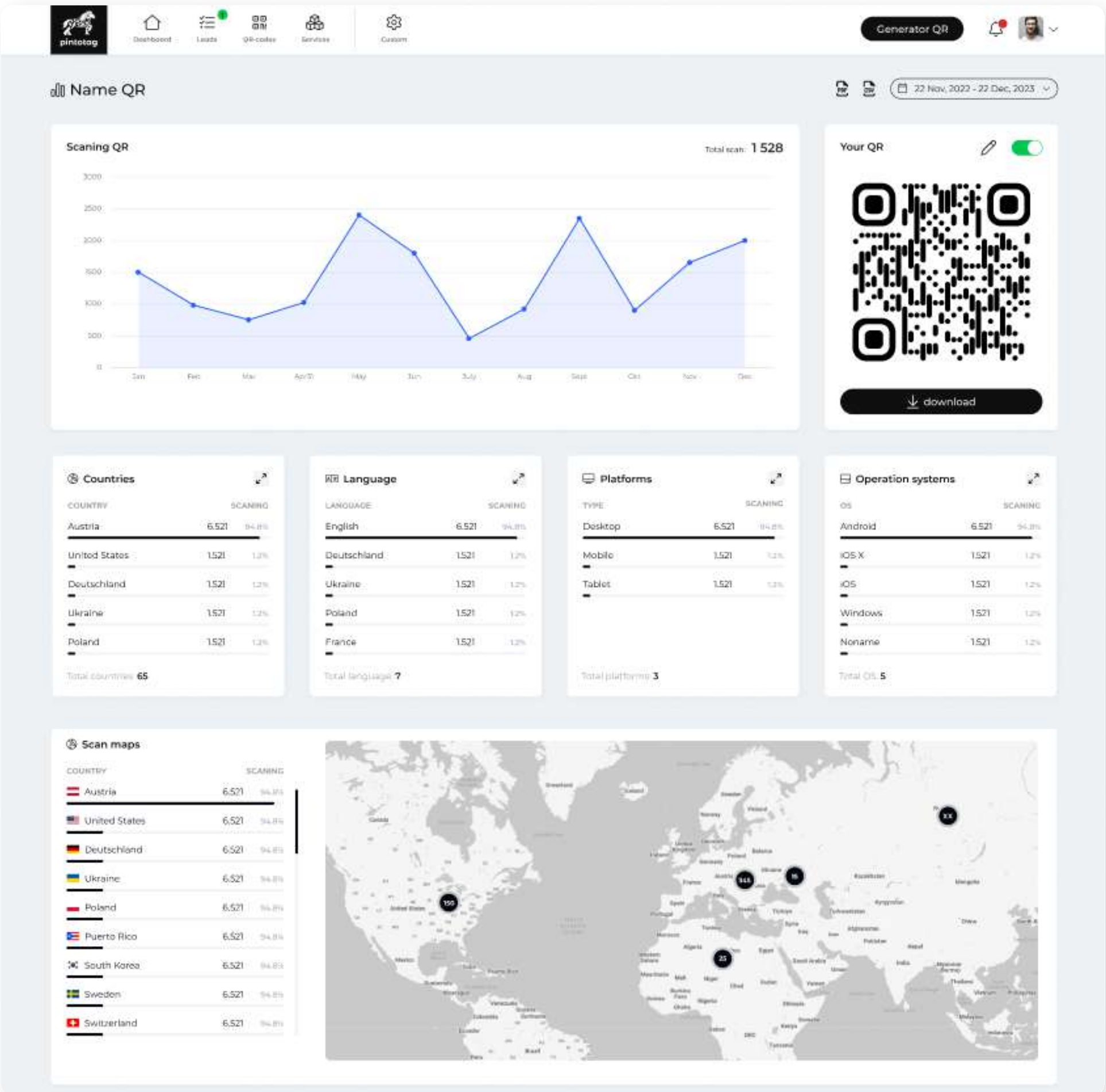
Industry

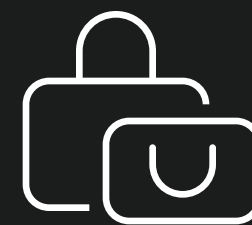An example of where the product is used and who would benefit from it.

Photovoltaic

Telecommunication

Marketing
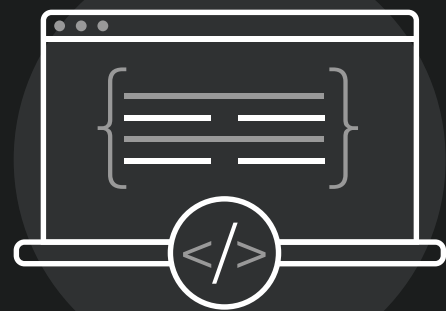
Office and personal

Retail

Hotel and restaurant

Our product can be used in any industry where quick access to information is needed. It also allows for easy input and analysis of analytical data.
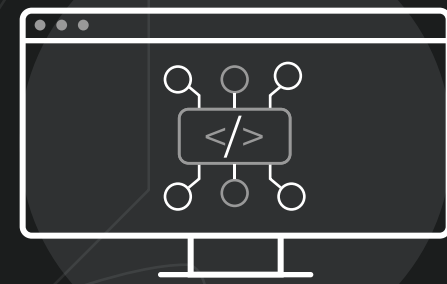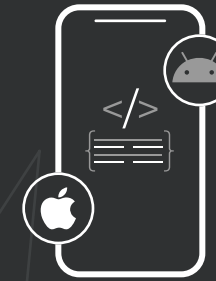
BELICHBERG

Digital transformation partner

Web app development

Software Development

Mobile Development

Data science

IoT

#business　　#startup　　#renewable-energy　　#saas　　#opensource

BELICHBERG GmbH, Vienna, Austria

belichberg.com

Mykola Bubelich

Founder / CEO

+43 660 9151003
b@belichberg.com

Stefan Umlauft

BDM

+43 664 3527201
su@belichberg.com

pintotag

BELICHBERG