DIGISTRUCT

CONSULTANTS PVT LTD

INSPECT | ANALYZE | ASSESS | ASSURE

A Member of the AQUILA Network

AQUILA



COMPANY PROFILE

contact@digistruct.in | www.digistruct.in | +919819052187

WHY DIGISTRUCT?

- India's first technology-driven infrastructure intelligence platform powered by AQUILA Built Health Switzerland.
- Advanced Non-Destructive Testing (NDT) integrated with cloud-based digital workflows.
- AI-enabled diagnostics for faster, accurate structural health assessments.
- Secure cloud platform providing centralized, audit-ready inspection records.
- End-to-end structural intelligence — from inspection to actionable engineering decisions.

SWISS PRECISION EQUIPMENTS | AUGMENTED REALTY DIGITAL TWIN TECHNOLOGY

ABOUT US

Digistruct Consultants Pvt. Ltd., A member of the AQUILA Network is a technology-driven engineering company specializing in digital structural health assessment and infrastructure intelligence.

As a network company in India for AQUILA Built Health Switzerland AG, Digistruct brings globally proven inspection technologies, digital platforms, and engineering methodologies to one of the world's fastest-growing infrastructure markets.

Our integrated ecosystem combines advanced Non-Destructive Testing, cloud-based inspection workflows, and engineering
expertise to provide a comprehensive understanding of an asset's structural condition.

Whether assessing bridges, industrial facilities, utilities, highways, commercial buildings, or public infrastructure, Digistruct empowers asset owners with accurate information, predictive insights, and lifecycle intelligence to improve safety, optimize maintenance, and extend service life.



CERTIFICATE NO:
DIPP276643

सत्यमेव जयते
Government of India
Ministry of Commerce & Industry
Department for Promotion of Industry and Internal Trade

DPIIT #startupindia

CERTIFICATE OF RECOGNITION

This is to certify that ***DIGISTRUCT CONSULTANTS PRIVATE LIMITED*** *incorporated as a* ***Private Limited Company*** *on* ***30-05-2026****, is recognized as a startup by the Department for Promotion of Industry and Internal Trade. The startup is working in 'Construction' Industry and 'Construction & Engineering' sector as self-certified by them.*

This certificate shall only be valid for the Entity up to **Ten** years from the date of its incorporation only if its turnover for any of the financial years has not extended **₹ 200 Cr.**

10-08-2026
DATE OF ISSUE

Scan to Verify

29-05-2036
VALID UPTO

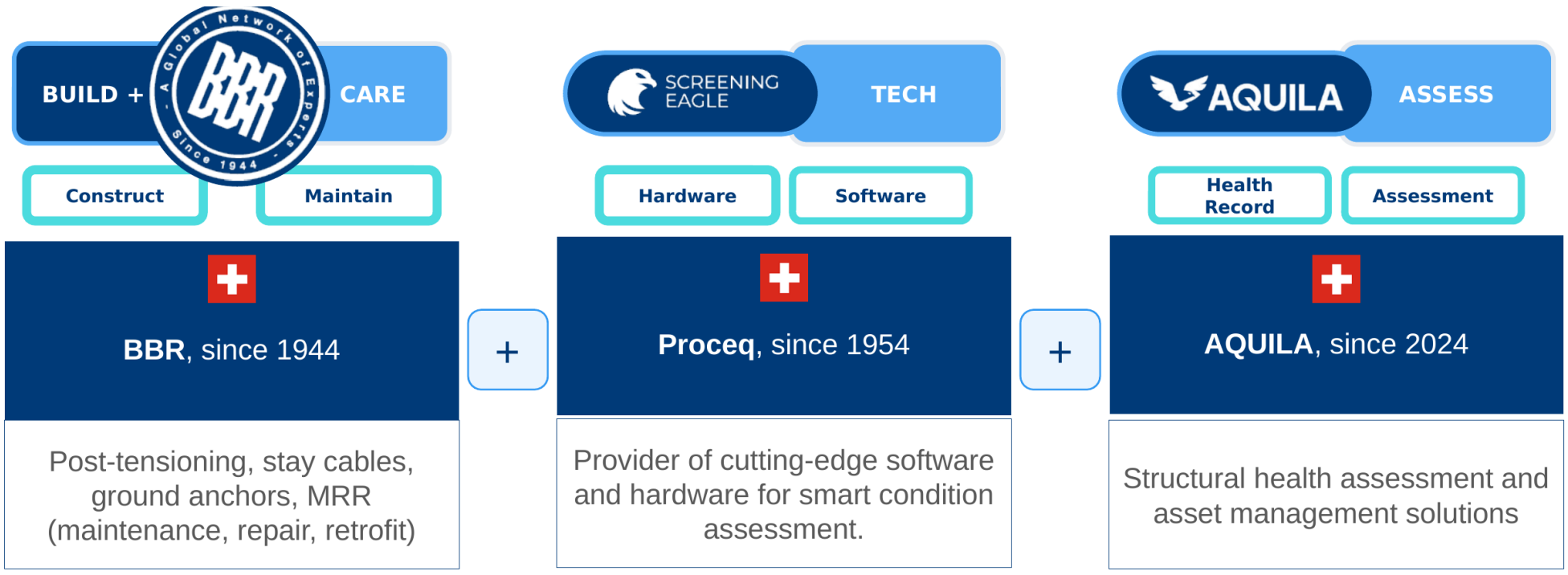
BACKED BY

AQUILA BUILT HEALTH, SWITZERLAND

Digistruct is the AQUILA Built Health Switzerland AG network company in India. That relationship is not a logo on a brochure — it is the reason our inspections, our software and our engineering judgement work the way they do.

AQUILA is a Swiss structural health assessment company built on two long engineering histories: 80 years of BBR expertise in posttensioning, stay cables and structural repair, and 70 years of Proceq / Screening Eagle innovation in non-destructive testing hardware and inspection software.

Being a network company, Digistruct brings that combined capability to Indian asset owners — the same instruments, the same inspection protocols, the same defect classification and the same standard of evidence applied to assets across Europe, the Gulf and Asia. For you, that means a condition assessment whose quality does not depend on which engineer happened to visit your site — and a record of your asset that keeps its value long after the project closes.



AQUILA combines BBR's construction, maintenance and repair expertise with Proceq's measuremen hardware and software — construct and maintain, hardware and software, health record and assessment in one Swiss organisation.

Visual inspection

Asset survey & condition assessment



Vital signs

Spot measurements: strength, concrete cover, corrosion risk



Mapping & Imaging

Seeing inside: reinforcement layout, voids, delamination



Health records

One permanent record per asset, kept up to date



WHAT THIS MEANS FOR YOUR ASSETS

Swiss methodology, applied in India

Inspection protocols, defect classification and reporting formats are AQUILA's, developed and proven on European infrastructure. Your report is built on the same rules as one issued in Switzerland.

One workflow, every time

Capture, structure, assess, approve, hand over, keep. Because the workflow does not change, results from different sites, different teams and different years remain directly comparable.

A permanent record, not just a report

Eagle-INSPECT builds one digital health record per asset. Your existing drawings and reports are loaded in, so you do not start from zero — and the record stays live for the next decision.

Faster on site, faster to a decision

IoT-connected instruments capture consistent data over larger areas with less disruption, and reporting is compressed from weeks to days — so findings reach you inside the same budget cycle.

AI speed, human accountability

AI structures the defect inventory, severity ratings and recommended actions. A qualified inspector then reviews, corrects and signs off every finding. That step is never skipped.

Independent of the repair contractor

The assessment is independent of whoever carries out the works. What you receive is an engineering opinion on condition, risk and required action — not a sales case for a repair scope.

1944

BBR — construction, post-tensioning and structural repair

1954

Proceq — NDT instruments and inspection software

6x

Up to six times faster data capture on site

70–90%

Faster reporting — days rather than weeks

Proven across asset classes worldwide.	Transmission tower foundations in Switzerland.	Post-tensioned airport structures in the UK
Resort car park slabs in Bahrain	Highway and bridge surveys in Saudi Arabia	Bridge and stay-cable assessments across Europe and Asia



MISSION

To revolutionize structural health assessment through intelligent, digital-first engineering solutions that enhance infrastructure safety, sustainability, and operational efficiency.

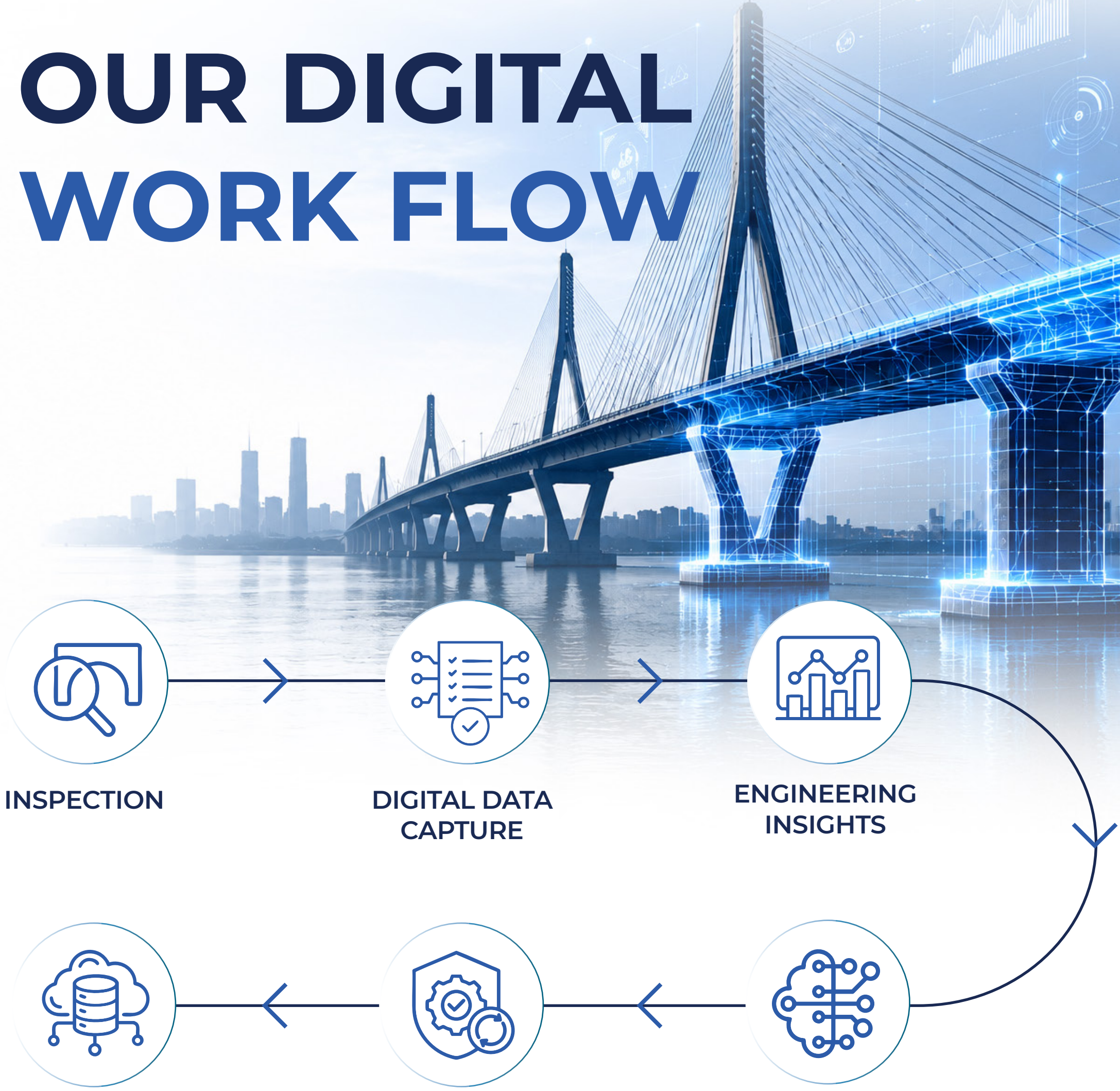
We empower governments, industries, and infrastructure owners with accurate data, advanced diagnostics, and lifecycle asset intelligence for smarter decision-making.

VISION

To become India's most trusted digital infrastructure intelligence company and a global leader in technology-enabled structural health assessment.

"Shaping the future of infrastructure through engineering excellence, digital intelligence, and sustainable innovation."

OUR DIGITAL WORK FLOW



INSPECTION

DIGITAL DATA CAPTURE

ENGINEERING INSIGHTS

AI ANALYTICS

CONDITION ASSESSMENT REPORT

CLOUD PLATFORM

WHY IT MATTERS

- **Better Engineering Decisions**
- **Faster Reporting**
- **Centralized Asset Records**
- **Reduced Maintenance Costs**
- **Improved Infrastructure Safety**
- **Extended Asset Life**

THE SERVICES & TECHNOLOGY WE OFFER

Our high-tech structural assessment solutions with digitalized “asset management” approach help maximize life-cycle performance and enhance sustainability.

Digital asset management

Visual and device-based data and observations are combined in a single ‘digital-twin’, providing a future-ready basis for well-structured decision making and asset structural health management.



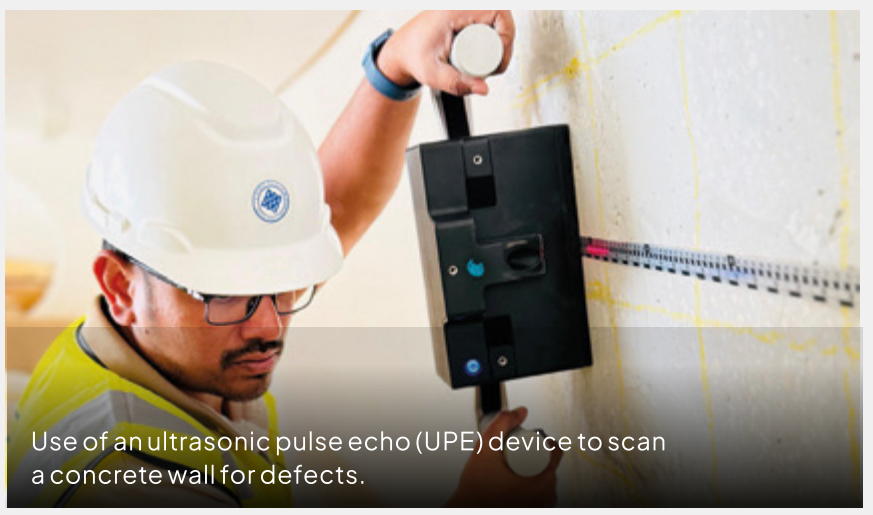
Storage and easy management of all NDT and structural health assessment data via cloud-based software platform.



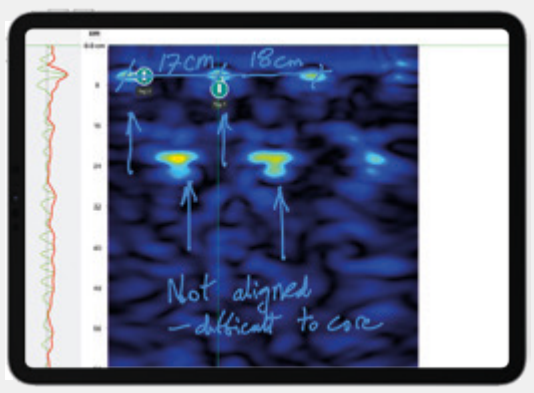
Automatic analysis of NDT data and other structural health assessment results.

Non-destructive testing (NDT)

Investigating the condition of concrete structures and details of what lies beneath the surface.



Use of an ultrasonic pulse echo (UPE) device to scan a concrete wall for defects.



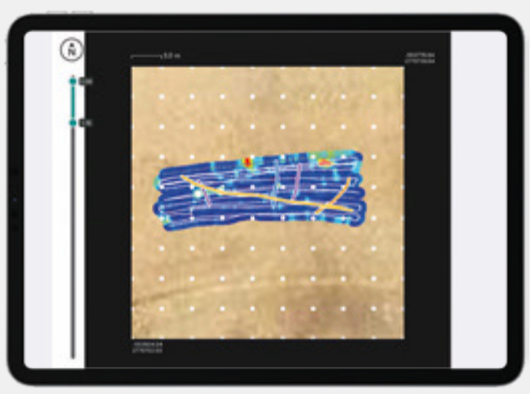
A GPR scan of a wall to establish feasibility of coring at this location.

Subsurface mapping

Establishing the location of utilities, obstructions or even archaeological treasures.



Scanning for subsurface utilities and obstructions using a GPR device in advance of excavation and construction work.



Visualization of buried pipes and obstructions during scanning using a GPR device.

NON-DESTRUCTIVE TESTING (NDT)



Schmidt Hammer OS 8200 N

Measures surface hardness of concrete, detecting variations in material strength and consistency



GPR-Radar GP 8000 Pro AI (lightweight, all-purpose)

Scans all kinds of areas in an efficient way; detects embedded objects, voids, and structural inconsistencies with a single antenna.



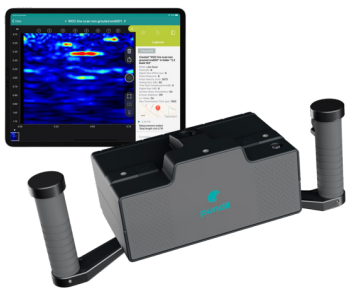
Profometer EC PM 8000 Pro

Locates and analyzes rebar positions; detects rebar placement, depth, and alignment within concrete.



Pundit Impact PI 8000 Pro AI

Detects impact resistance and surface durability without providing imagery (e.g., commonly used for pile testing).



Pundit PE Array PD 8050 Pro AI

Visualizes voids and detects layers; identifies internal defects, voids, and layer separations using advanced ultrasonic testing.



Resipod Resistivity 50mm

Accurately measures concrete resistivity; detects moisture content, permeability, and potential durability issues.



Profometer EC & Corrosion PM 8500 Pro

Assesses rebar corrosion levels, extent, positioning, and structural weaknesses. Includes only the “spot” electrode. For wheel electrode options, refer to Section 8.



INSPECT Enterprise Software including AI capabilities*

100% paperless, collaborative, real-time data processing software with AI capabilities, seamlessly integrating with Proceq NDT and subsurface mapping tools.

DATA-DRIVEN ASSET MANAGEMENT

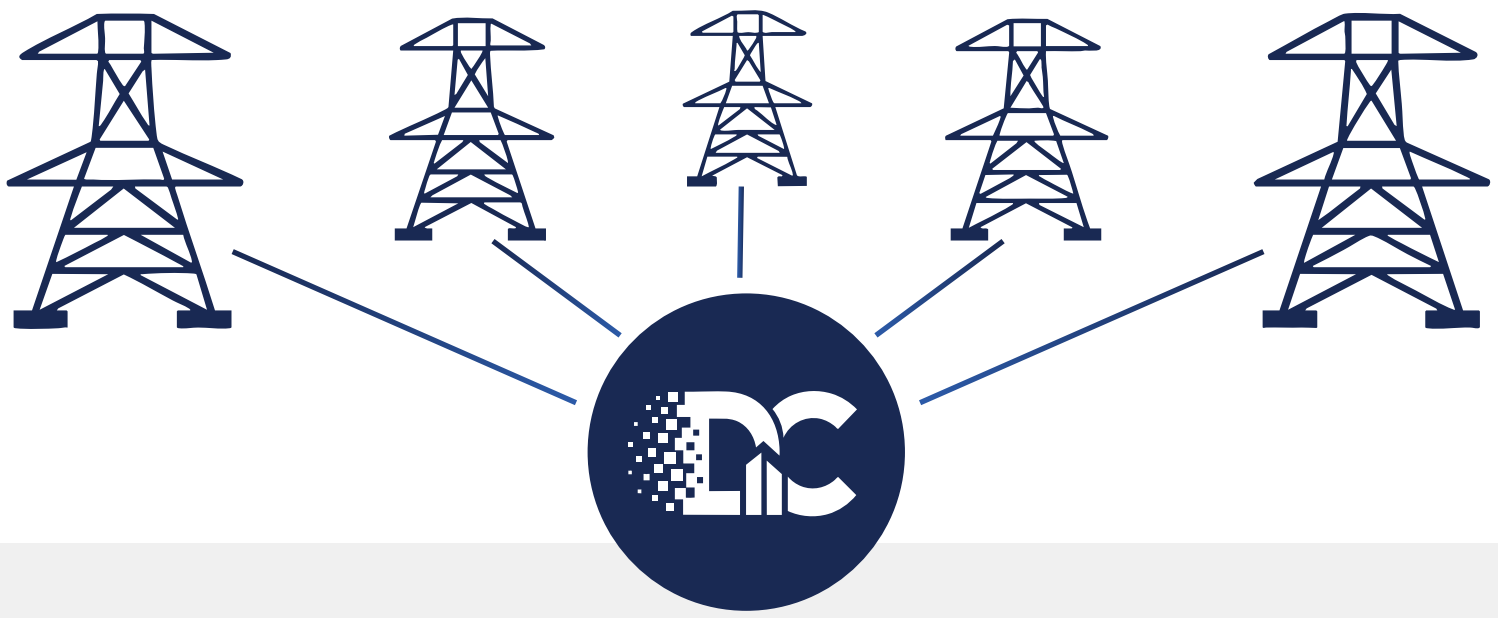
No matter how good the NDT technology being used to inspect your asset is, the information it provides only relates to one particular moment in time. But as the owner or engineer, you are interested in the asset's entire life cycle, so you will want to know that everything that was ever known relating to its design, construction and condition is stored in one place. This helps ensure that valuable information is not misplaced or overlooked – for example, in the planning of maintenance or renovation work – and thereby reduces costs, minimizes risks and safeguards the asset's value.

Data sharing throughout an asset's life cycle



This is where DIGISTRUCT's asset management approach to structural investigations really shines. Using cutting-edge software-driven solutions with cloud-based storage enables your team to manage all relevant data efficiently and effectively.

With data recorded by your site technicians, NDT scans, measurements, photographs, observations, and other relevant information can be uploaded to the software platform. DIGISTRUCT enables information to be assessed and checked by office-based specialists before the site team moves on to the next asset, thus optimizing collaboration and enhancing efficiency.



This digitalized, highly structured approach to data management is especially beneficial for owners and operators of multiple assets – whether buildings, industrial facilities, service stations, electricity pylons, wind towers or anything else. Once configured for a single asset, the system can easily be extended to include any number of similar assets – greatly increasing efficiencies, streamlining decision-making processes and optimizing future investments.

BENEFITS OF DIGITAL STRUCTURAL ASSESSMENT

Infrastructure owners today require more than inspection reports—they need reliable information that supports long-term planning and operational excellence.

Digistruct's digital approach transforms inspection data into meaningful engineering intelligence, helping organizations reduce risk, improve e ciency, and maximize the value of their infrastructure investments.

KEY BENEFITS

Reduce Lifecycle Costs

Plan maintenance proactively and avoid costly emergency repairs.

Faster Decision Making

Instant access to inspection records, reports, and engineering observations.

Digital Asset History

Maintain a centralized record of inspections throughout an asset's lifecycle.

Enhanced Collaboration

Enable engineers, consultants, and stakeholders to access information securely from anywhere.

Sustainable Asset Management

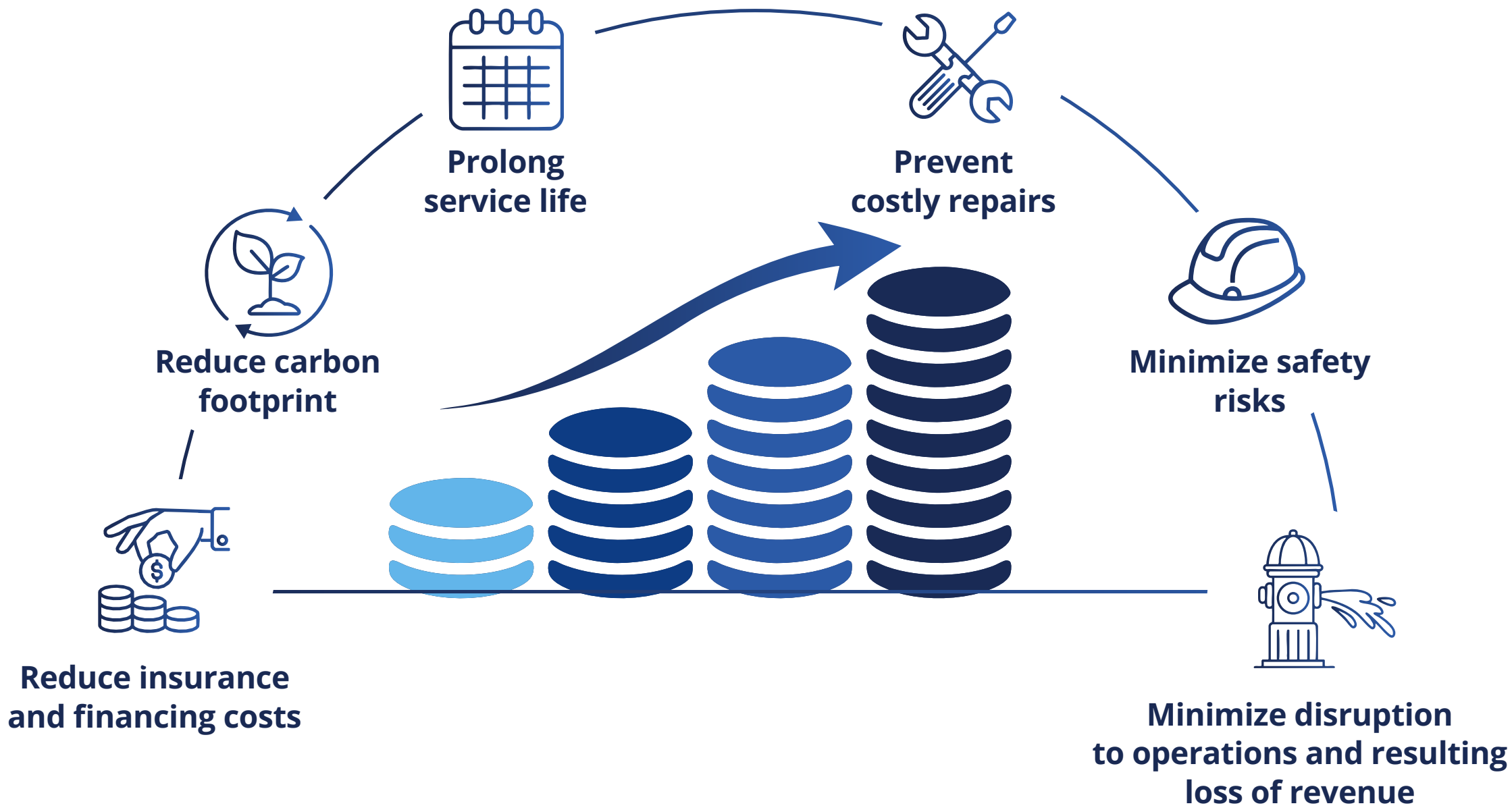
Extend infrastructure service life through condition-based maintenance.

Improve Infrastructure Safety

Identify structural concerns before they become critical issues.

Use of an ultrasonic pulse echo device to investigate subsurface defects in a concrete foundation

BENEFITS FOR ASSET OWNERS & ENGINEERS



Preventing costly repairs

Regular structural assessments help identify potential issues early, allowing them to be addressed before they develop into major problems requiring costly repairs.

Reducing insurance and financing costs

Well-maintained and regularly assessed structures may present lower risks, supporting better insurance terms and reducing long-term financial exposure.

Ensuring safety and compliance

Regular assessments help ensure that structures meet relevant safety standards and regulatory requirements, minimizing risks and potential liabilities.

Reducing your asset's carbon footprint

Extending the life of existing structures and avoiding unnecessary repairs or replacements can help reduce material consumption and overall environmental impact.

Minimizing disruption to operations and loss of revenue

Timely structural investigations and planned interventions help reduce unexpected downtime, operational disruptions, and the resulting loss of productivity or revenue.

Prolonging your structure's service life

High-quality structural assessments and informed maintenance planning can help extend asset life, reducing the need for premature replacement, major repairs, or renovation.

Augmented-reality visualization of reinforcement steel following scanning of a concrete wall using a ground-penetrating radar device

ENHANCING SUSTAINABILITY

DIGISTRUCT's technology-driven approach to structural assessment and asset management helps support more sustainable infrastructure by improving decision-making, extending asset life, and reducing unnecessary interventions.

Extending the service life of assets and their components

Perhaps most significantly, regular structural assessment and timely intervention can extend an asset's service life by many years, helping avoid the environmental impact associated with premature demolition, replacement, and new construction.

Improving planning for repair and rehabilitation

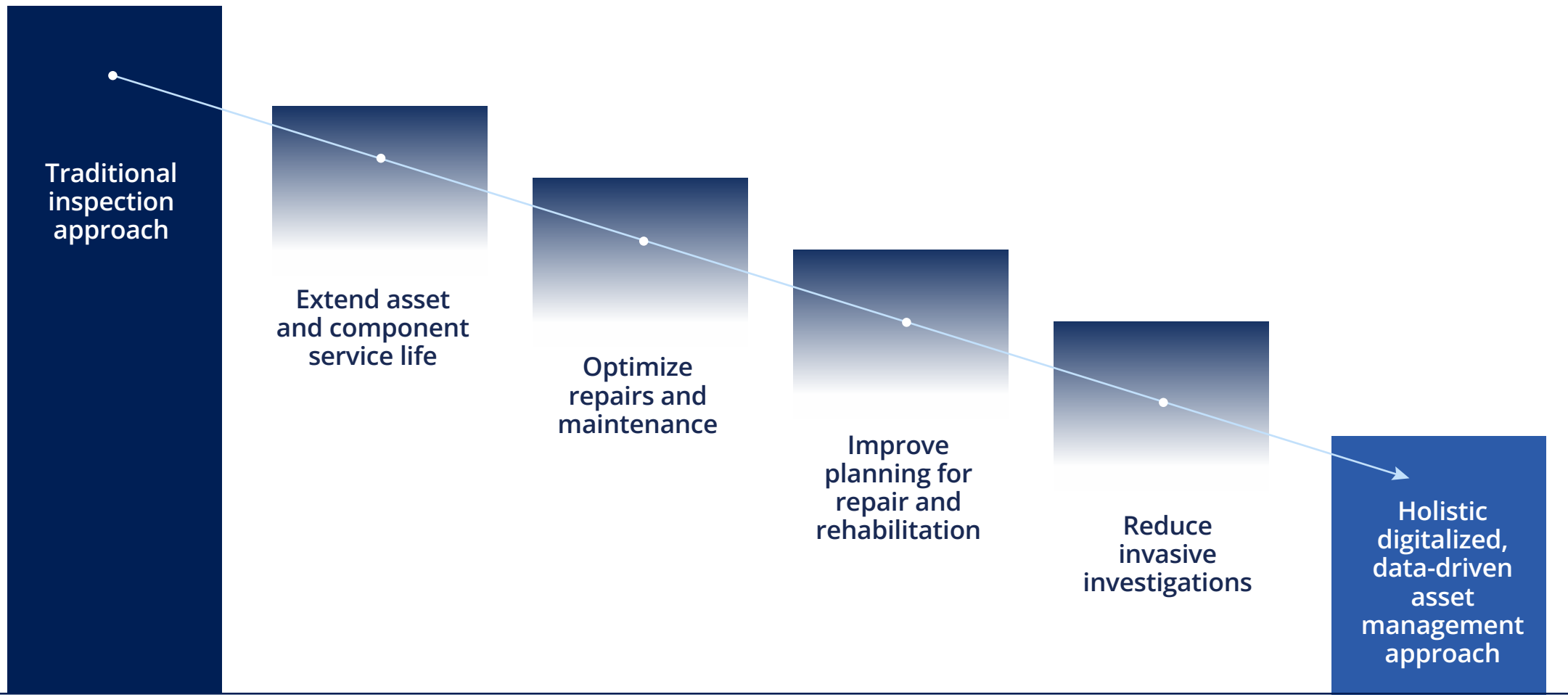
High-quality assessment data and centralized digital information provide deeper insights into an asset's condition, enabling repairs, maintenance, and rehabilitation work to be planned more effectively while minimizing unnecessary interventions and resource use.

Optimizing repairs and maintenance

Making relevant structural data accessible to engineers and decision-makers supports condition-based maintenance and more targeted repair strategies. This can help reduce unnecessary maintenance activities, material consumption, and associated environmental impacts.

Reducing invasive investigations

The use of advanced non-destructive testing and modern assessment technologies can reduce the need for invasive investigations that may damage or weaken existing structures, while also avoiding unnecessary repairs, materials, energy use, and operational disruption.



Reducing environmental impact throughtout the asset lifecycle

Illustrative representation of how a structured, technology-driven approach to structural assessment and asset management can help reduce resource consumption and environmental impact while extending the service life of built assets.

A STRONG BACKGROUND IN STRUCTURAL INVESTIGATIONS

The structural and substructure investigation projects undertaken by AQUILA's network are as varied as the types of structure and infrastructure that have been investigated.



Electricity pylons, Switzerland

Comprehensive evaluation of the foundations of 260 electricity pylons



Landmark business centre, Saudi Arabia

Local structural investigation to facilitate alteration work on the 17th floor.



Rama VIII Bridge, Thailand

Evaluation of the condition of the bridge's stay-cable support system.



Residential apartment buildings, Singapore

Health assessment of 20,000 apartments in Singapore to investigate their structural condition.



Industrial facility, USA

Structural investigation and testing of a precast concrete structure.



Archaeological survey, Hungary

Analysis of surface (GPR) scans to investigate what is hidden beneath the surface.

A STRONG BACKGROUND IN STRUCTURAL INVESTIGATIONS

The structural and substructure investigation projects undertaken by AQUILA's network are as varied as the types of structure and infrastructure that have been investigated.



Royal palace, Middle East

Condition assessment (NDT and subsurface) of a prestigious facility constructed 40 years ago.



Private estate, Greece

Structural assessment identifying need for significant strengthning and repair works.



Building façade inspections using drones, Singapore

Using drones to photography building facades for visual and AI defect detection.



Fernando Reig Bridge, Spain

Evaluation of the condition of the bridge's stay-cable support system.



The ART Hotel and Resort, Bahrain

Investigation of structual elements of a high-class resort in Bahrain.



Private properties in a high-end resort, Thailand

Structural assessment of private properties for optimized ongoing maintenance.

INDUSTRIES WE SERVE

Government Infrastructure

Roads, public buildings, civic infrastructure, and utilities.

Industrial Facilities

Inspection of manufacturing plants, process industries, and heavy infrastructure.

Water Infrastructure

Inspection of dams, water retaining structures etc

Bridges & Highways

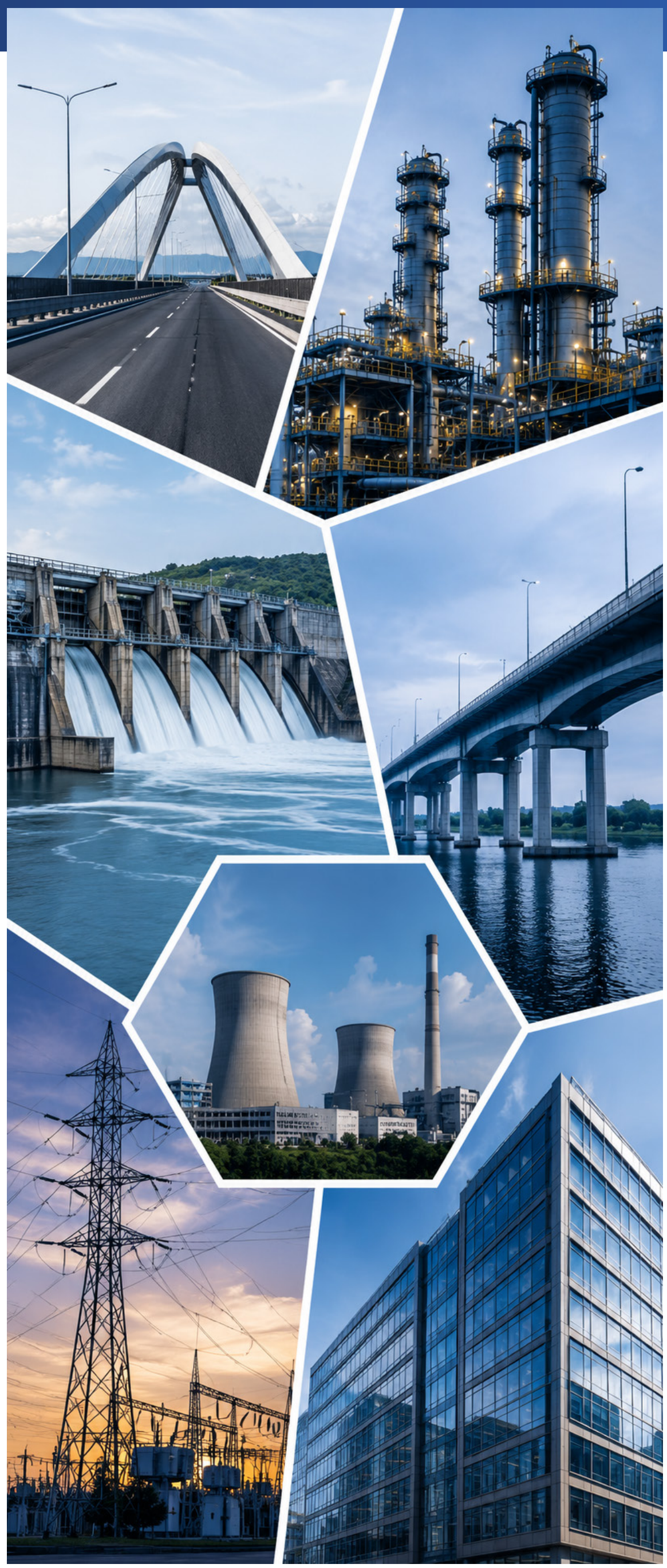
Structural assessments supporting transportation safety and long-term durability.

Power & Utilities

Inspection of power plants

Commercial & Institutional Buildings

Digital assessment for offices, campuses, healthcare, data centres, and educational facilities.



SUSTAINABILITY THROUGH SMARTER INFRASTRUCTURE

The most sustainable infrastructure is the infrastructure that lasts longer.
By helping organizations understand the true condition of their assets, Digistruct enables maintenance strategies that extend structural life, reduce unnecessary repairs, and minimize material consumption.
Accurate engineering information allows maintenance activities to be planned more e ciently, reducing operational disruptions while improving long-term infrastructure performance.
Digital inspections also reduce paper-based documentation, creating a more sustainable engineering work ow.

SUSTAINABILITY BENEFITS

- ☑ **Extend Service Life**
- ☑ **Support Sustainable Infrastructure**
- ☑ **Optimize Maintenance Resources**
- ☑ **Minimize Carbon Impact**
- ☑ **Reduce Material Waste**
- ☑ **Improve Resource Efficiency**

OUR COMMITMENT

At Digistruct, every project reflects our commitment to engineering excellence, technological innovation, and responsible infrastructure management.
We believe infrastructure decisions should always be supported by accurate data, reliable diagnostics, and practical engineering expertise.
As digital technologies continue to reshape the infrastructure sector, we remain committed to helping organizations adopt smarter, safer, and more sustainable asset management practices.

OUR CORE VALUES

Integrity

Building trust through transparency and professional ethics.

Innovation

Continuously adopting advanced technologies.

Quality

Delivering consistent engineering excellence.

Collaboration

Working closely with clients to achieve shared goals.

Sustainability

Supporting infrastructure that serves future generations.

OUR EXPERTISE

CERTIFIED PRECISION. VALIDATED BY INDUSTRY EXPERTS

In high-stakes industrial environments, compliance and accuracy are non-negotiable. Our reporting goes beyond raw data collection; it delivers actionable, legally robust, and standard compliant insights verified by veteran professionals.

KEY HIGHLIGHTS OF OUR EXPERTS

- **Licensed Structural Engineer —** Brihanmumbai Municipal Corporation (BMC), Office of City Engineer.
- **Approved Valuer —** The Indian Institution of Valuers (India), Immovable Property category.
- **Professor of Practice —** Construction Industry Development Council (CIDC), with specialization in Real Estate, Smart Cities, Affordable Housing, and Defence & Border Area Infrastructure.
- **Member —** The Institution of Engineers (India).
- **Member, Panel of Arbitrators —** Construction Industry Arbitration Council (CIAC); empanelment valid up to 22 June 2027.
- **Empanelled for Structural Design and Proof Consultancy for Building Projects —** Government of Maharashtra, Office of the Chief Engineer, Public Works Circle, Ratnagiri.

PROFESSIONAL RECOGNITION

Construction Industry Development Council
(Established by the Planning Commission (NITI Aayog), Government of India)

सत्यमेव जयते
Government Of Maharashtra
Office Of The Superintending Engineer,
Ratnagiri P.W. Circle, Ratnagiri 415 612

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CIAC
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AQUILA



CONNECT

PRESERVING THE PAST, SECURING THE FUTURE.

Whether you need condition assessments, structural risk assessments, or actionable life-extension strategies for aging assets, our senior engineering team is ready to help safeguard your infrastructure.

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