
IGS Engineers
Namibia CC
Company Profile
IGS Engineers
Namibia CC

16/05/2025

IGS Engineers
Namibia CC

TABLE OF CONTENT

ABOUT US

IGS Engineers Namibia CC is a young and dynamic company supporting infrastructural development in Namibia.

As part of IGS Ingenieure GmbH & Co. KG in Germany, which has grown over 35 years through strategic mergers and partnerships, the company benefits from a strong foundation of expertise. With approximately 450 employees across multiple branches in Germany, the IGS Group of Companies serves public and private clients, including government agencies, Deutsche Bahn AG, and local municipalities.

Expanding its regional presence, IGS Engineers Namibia CC was established in 2023 in Swakopmund, thus bringing "Engineering Excellence" to Namibia and the Southern African region.

"Creating Innovations Together"

IGS INGENIEURE GMBH & CO. KG

16 Subsidiaries + 11 Group Members

Offer a widespread range of engineering services

IGS Head office – Weimar

- Kantstraße 5 / Kantstraße 18
- Belvederer Allee 20/20a
- Schubertstraße 2

IGS – Branch offices - Locations:

- NL Halle
- NL Leipzig
- NL Magdeburg
- NL Berlin
- NL Senftenberg
- Fürstenberg
- Zwickau
- Zella-Mehlis
- Mögglingen
- Reichensachsen
- Langwedel

IGS – more Locations since 2019:

- Hochheim
- Zella-Mehlis
- Nordhausen
- Duisburg
- Spenge b. Bielefeld
- Nürnberg
- Hamburg
- Bremen
- Erfurt

IGS – new Locations since 2024:

- Stuttgart
- Fulda
- Bonn

SWAKOPMUND, NAMIBIA

01 02 03 04 05 06 07

OUR VISION

“STRONGER TOGETHER”

ENGINEERING WITH EXCELLENCE

WE STAND FOR COMPETENCE,
INNOVATION AND SUSTAINABILITY.

INSIRING FUTURE ENGINEERS

WE ENCOURAGE YOUNG PROFESSIONALS
TO STUDY CIVIL ENGINEERING.

DEVELOPING LOCAL TALENT

WE PROMOTE THE DEVELOPMENT OF
LOCAL SKILLED ENGINEERS.

OUR TEAM – ORGANISATIONAL CHART

IGS Engineers Namibia CC

MANAGING DIRECTOR
Heiko Fleidl (Inc.Eng)

ENGINEERING STRUCTURES DEPARTMENT

HEAD OF ENGINEERING STRUCTURES
Nico Paetzold

Nelva Tembwe

Else Kasaona

Lukas Shikulo

Hilma Niipaya

Kristine Petrus

TRANSPORTATION DEPARMENT

HEAD OF ENGINEERING TRANSPORTATION
Heiko Fleidl

Dean Mutu

Kylaeb Ickua

Grace Hauses

OUR TEAM – KEY PERSONNEL

Heiko Fleidl Inc. Eng

IGS ENGINEERS NAMIBIA CC – MANAGING DIRECTOR

NATIONALITY: NAMIBIAN; LANGUAGES: ENGLISH, GERMAN & AFRIKAANS

EDUCATION:

2007	POLYTECHNIC OF NAMIBIA; N Dip (Civil and Project Management)
2008	FACHHOCHSCHULE KÄRNTEN; BSc.Eng (Civil & Architecture)
2016	REGISTERED PROFESSIONALLY AT ECN; Incorporate Engineer IE 2016-6

PROFESSIONAL CAREER:

SINCE 2024	IGS ENGINEERS NAMIBIA CC – DIRECTOR: ROADS
2008 – 2023	CONSULTING ENGINEERS – JUNIOR ASSOCIATE: URBAN & ROADS

PROJECTS:

WINDHOEK WATERFRONT DEVELOPMENT (2018 – 2023)
ESTIMATED PROJECT VALUE: N$ 225 MILLION
DEVELOPMENT OF SERVICES INFRASTRUCTURE FOR A MIXED-USE AWARD WINNING DEVELOPMENT IN WINDHOEK
PROJECT ENGINEER, CHIEF DESIGN ENGINEER & PROJECT MANAGER

HILLTOP ESTATE BULK SERVICES (2012 – 2016)
ESTIMATED PROJECT VALUE: N$ 120 MILLION
UPGRADING OF ROADS FROM SINGLE TO MULTIPLE LANE CARRIAGEWAYS, THE GROVE MALL OF NAMIBIA ACCESS ROADS, PARKING AREAS & PUBLIC TRANSPORT FACILITY
DESIGN ENGINEER & RESIDENT MANAGER

OUR TEAM – KEY PERSONNEL

Nico Paetzold Bachelor Professional

IGS ENGINEERS NAMIBIA CC – HEAD OF ENGINEERING STRUCTURES

NATIONALITY: NAMIBIAN; LANGUAGES: ENGLISH, GERMAN & AFRIKAANS

EDUCATION:

2015	HANDWERKSKAMMER FRANKFURT-RHEIN-MAIN; Carpenter
2021	HANDWERKSKAMMER FÜR SCHWABEN; Instructor
2022	TECHNIKERSCHULE ALLGÄU; Bachelor Professional in Technik
2022	SECUM GmbH; health and safety protection coordinator

PROFESSIONAL CAREER:

SINCE 2024	IGS ENGINEERS NAMIBIA CC – HEAD OF ENGINEERING STRUCTURES
2022 – 2023	MAX WILD GMBH - CONSTRUCTION MANAGER Bridge demolition/restoration
2015 – 2020	CARPENTER FOREMAN/CONSTRUCTION MANAGEMENT on various Construction Sites worldwide

PROJECTS:

DISMANTLING THE OMEGA BRIDGE (IN DANGER OF COLLAPSING)
CONSTRUCTION MANAGEMENT (PROJECT VALUE: ± € 3 MILLION) WITH 1 WEEK ADVANCE PLANNING AND COORDINATION WITH VARIOUS AUTHORITIES AND THE GERMAN RAILWAY AUTHORITY. DISMANTLED 6000 TONS OF CONCRETE AND REBAR IN 3 DAYS WITHOUT DAMAGING THE UNDERLYING RAILWAY TRACKS

BRIDGE DISMANTLING IN ANSBACH ALONG THE AUTOBAHN 6
CONSTRUCTION MANAGEMENT (PROJECT VALUE € 3,5 MILLION)
PLANNING AND CARRYING OUT THE DEMOLITION WORK WHICH INCLUDED ± 200 TONS. BRIDGE ELEMENTS THAT WERE EXCAVATED WITH A CRAWLER CRANE AND DISMANTLED ALONGSIDE THE HIGHWAY. DUE TO UNDERLYING RAILWAY LINES, DISMANTLING HAD TO BE COMPLETED WITHIN 36 HOURS.

OUR TEAM – IMPRESSIONS











IGS INGENIEURE – MANAGEMENT BOARD

IGS Engineers Namibia CC

6 DIRECTORS
BRING IN THEIR KNOWLEDGE AND EXPERIENCES TO KEEP OPEN EARS FOR EMPLOYEES AND CUSTOMERS AS WELL AS A CLEAR FOCUS ON THE WIDE SPREAD BUSINESS ...

f. l. t. r.

OLIVER WEIHRAUCH	Civil engineering, railroad and tracks
JENS BARTHL (CEO)	Civil engineering and construction planning
MATTHIAS LAMPE	Site management and supervision
BASSAM KABALAN	Structural Engineering and construction design
MARGIT KÜHN	Traffic facilities and green area
MARTIN HOLZAPFEL	Building diagnostics and quality assurance

IGS INGENIEURE – SHAREHOLDER & CHAIRMAN

Dr.-Ing. Jens Barthl

SHAREHOLDER & CHAIRMAN

MEMBER OF THE CHAMBER OF ENGINEERS SAXONY-ANHALT
AUTHORISED TO PROVIDE EVIDENCE OF STABILITY
AUTHORISED TO SUBMIT BUILDING DOCUMENTS

EDUCATION:

1986 – 1988	Research studies in civil engineering, Doctorate in bridge construction
1985	MISI Moscow
09/1982 – 1985	Weimar University of Architecture and Civil Engineering

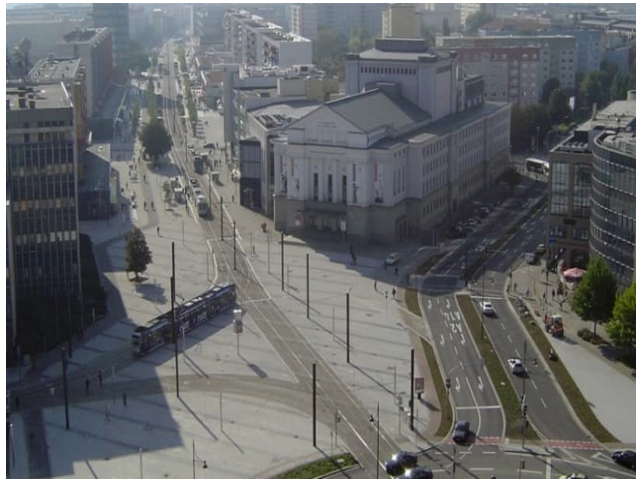
PROFESSIONAL CAREER:

Since 08/1990	IGS INGENIEURE GmbH & Co. KG Managing Partner
1989 – 1990	Assistant HAB Weimar, WB Reinforced Concrete

PROJECTS:

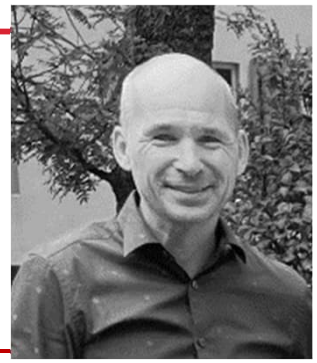
Old Town Roundabout Wernigerode

Harbour bridges in Nürnberg



University Square Magdeburg

IGS INGENIEURE – CEO



Dipl.-Ing. Oliver Weihrauch

CHIEF EXECUTIVE OFFICER
German Railways AUTHORISED TO SUBMIT BUILDING DOCUMENTS

EDUCATION:

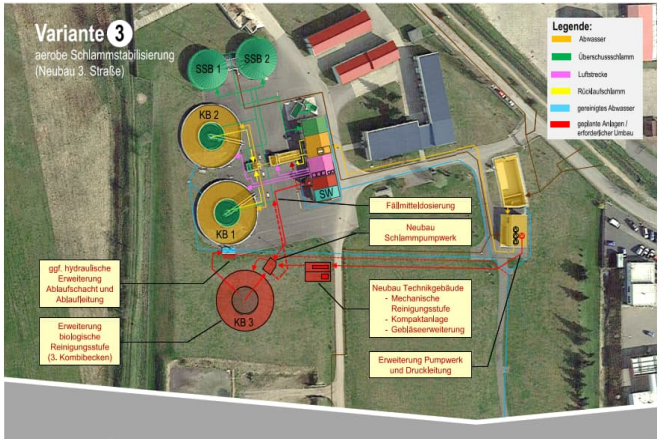
1988 – 1993	Weimar University of Architecture and Civil Engineering Specialized in structural engineering and bridge construction

PROFESSIONAL CAREER:

Since 2014	IGS INGENIEURE GmbH & Co. KG
2010 - 2013	DB International GmbH in Qatar, Doha
2003 - 2010	DB ProjektBau GmbH in Erfurt / Cologne
2001 - 2002	DE-Consult GmbH in Erfurt
1993 - 2001	Lopp Engineering Office in Weimar

PROJECTS:

Commercial Area “GOLDENE AUE”



Industrial Site Extension of a
WASTEWATER TREATMENT PLANT

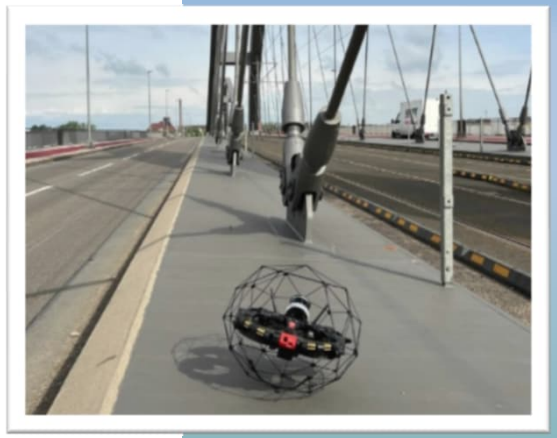
Industrial and Commercial Area in
WERNIGERODE

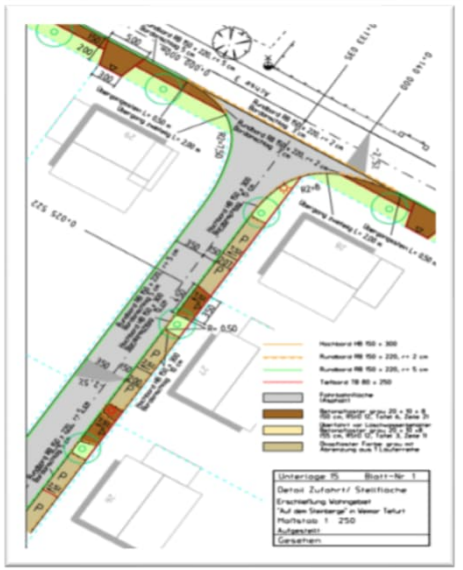
WHAT WE OFFER (OUR SERVICES)

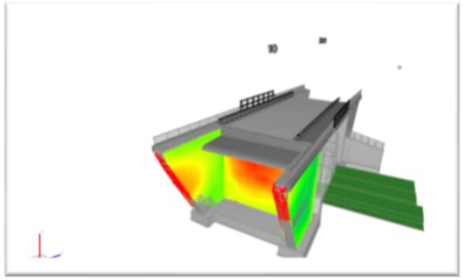
- CIVIL ENGINEERING
- TRAFFIC FACILITIES
- LANDSCAPE PLANNING AND ARCHITECTURE
- BUILDING DIAGNOSTICS
- QUALITY ASSURANCE STEEL CONSTRUCTION
- HYDRAULIC ENGINEERING
- SUPPLY AND DISPOSAL
- URBAN AND REGIONAL PLANNING
- CONSTRUCTION SUPERVISION
- MEASUREMENT
- PROJECT MANAGEMENT
- BUILDING AND INDUSTRIAL CONSTRUCTION
- § TENDERING PROCEDURES
- VISUALISATIONS MODELLING
  COMPETITIONS
  MEDIA WORK
  FUNDING MANAGEMENT
  PUBLICATIONS

OUR CORE SERVICES

- STRUCTURAL DESIGN FOR ENGINEERING STRUCTURES
- CONSTRUCTION SUPERVISION AND SITE MANAGEMENT
- CONSTRUCTION QUALITY ASSURANCE & CONTRACT ADMINISTRATION
- PROJECT MANAGEMENT
- STRUCTURAL INSPECTIONS

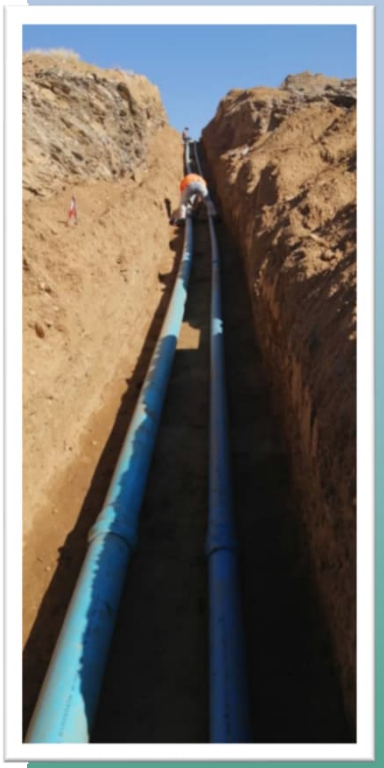


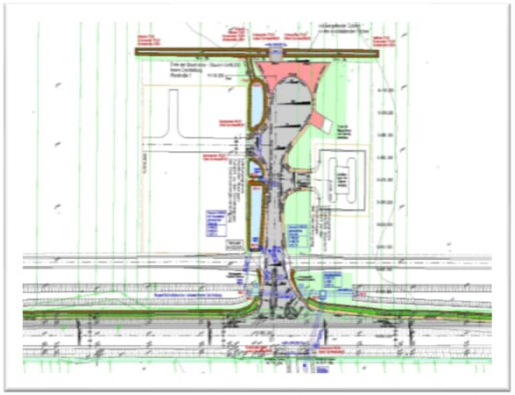




OUR CORE SERVICES (CONTINUED)

- TRAFFIC FACILITIES
- DESIGN OF MUNICIPAL SERVICES
- RESIDENTIAL AREA DESIGN
- INDUSTRIAL AREA DESIGN

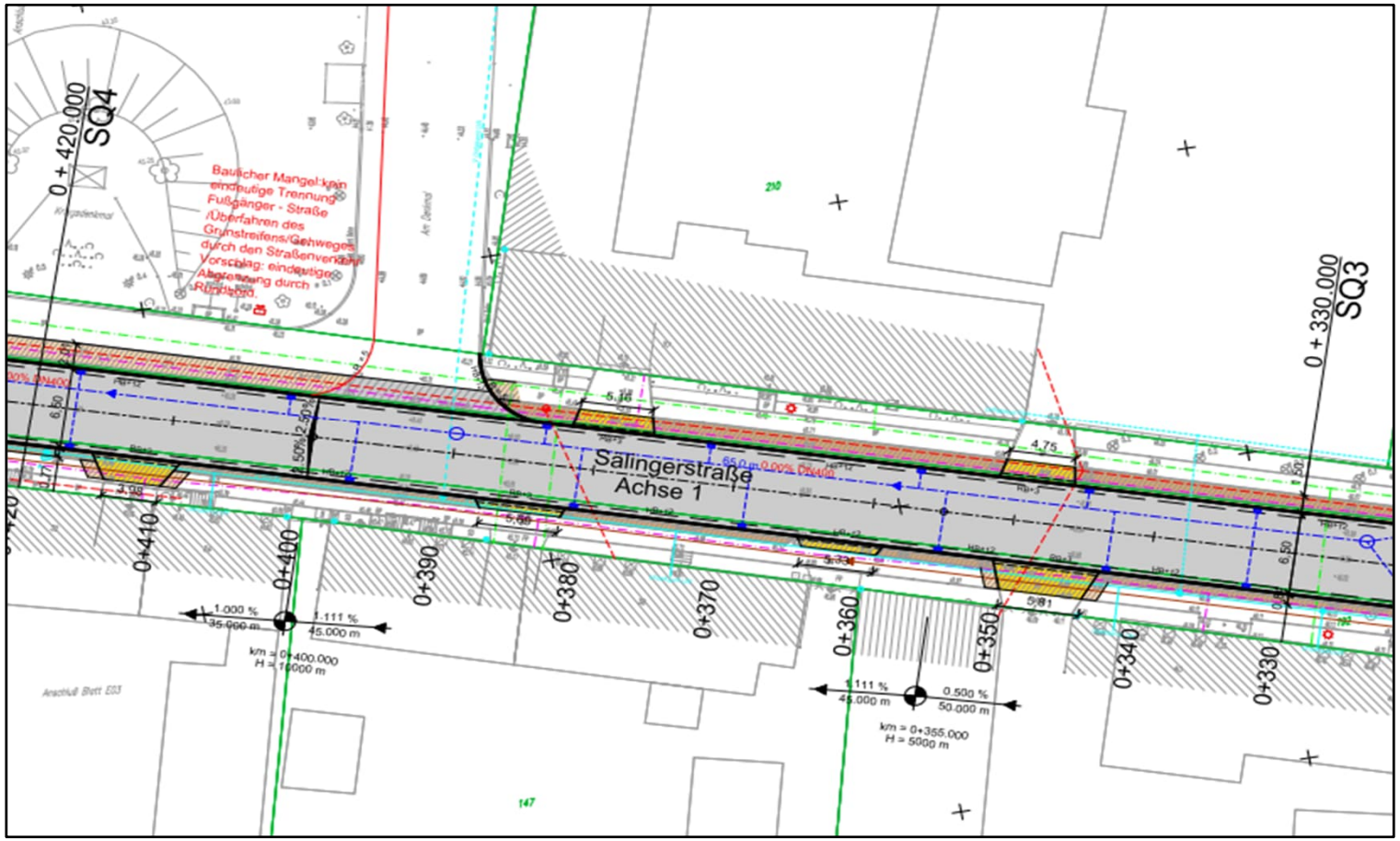




REFERENCES – TRAFFIC FACILITIES

OD HEEREN

UPGRADE OF EXISTING COBBLESTONE ROAD TO ASPHALT STANDARDS NON-MOTORISED TRANSPORT INCLUDING SIDEWALKS, CYCLING LANES AND TRAFFIC FACILITIES



REFERENCES – TRAFFIC FACILITIES

B 249 OD MÜHLHAUSEN

TRAFFIC HUB WAGENSTEDT

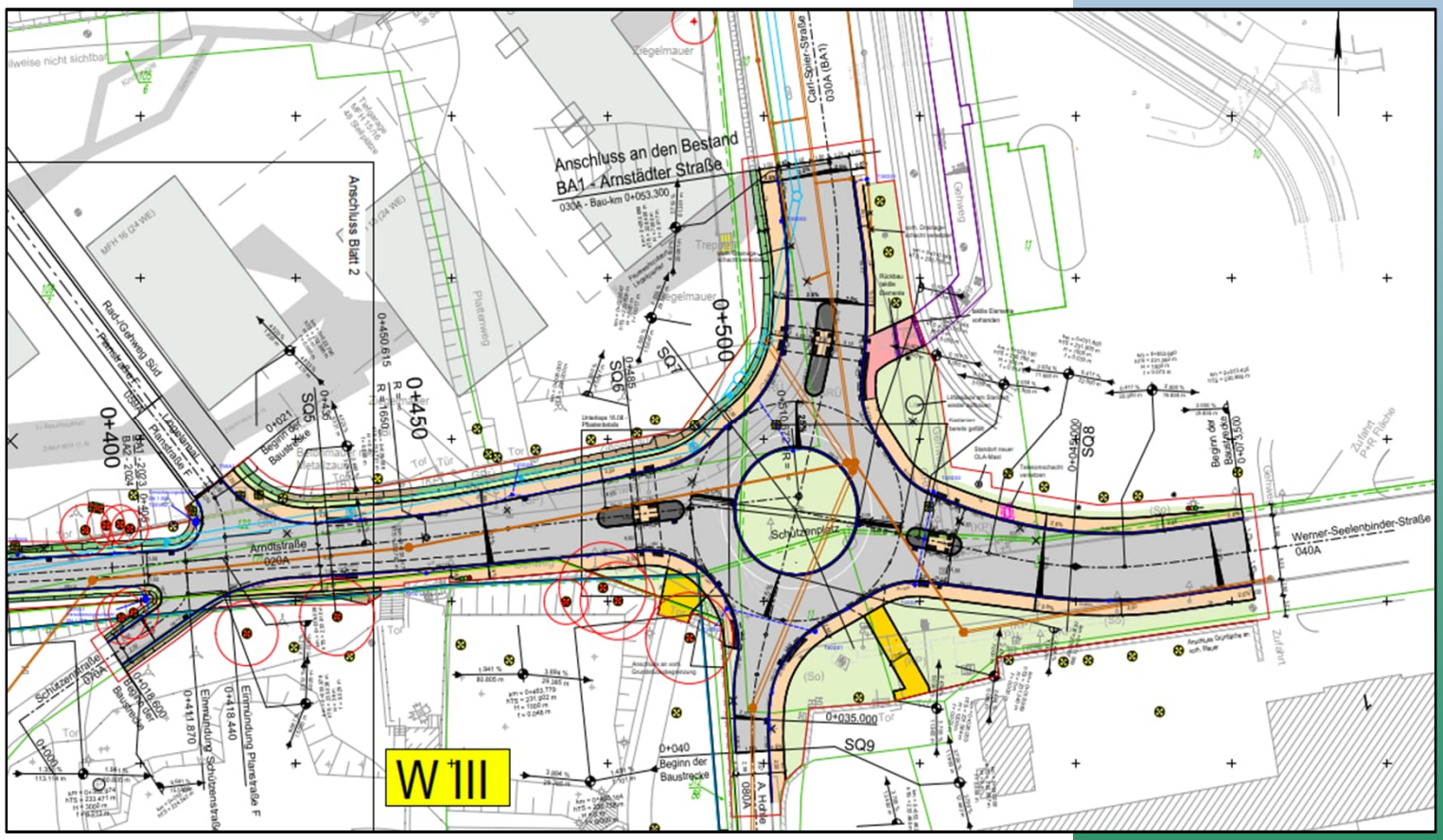
CONSTRUCTION COSTS: EURO 7.8 MILLION

REFERENCES – TRAFFIC FACILITIES

ERFURT

COMPLEX PROJECT FOR THE SOUTHERN ENTRANCE TO THE CITY CONSTRUCTION

COSTS: EURO 12.3 MILLION

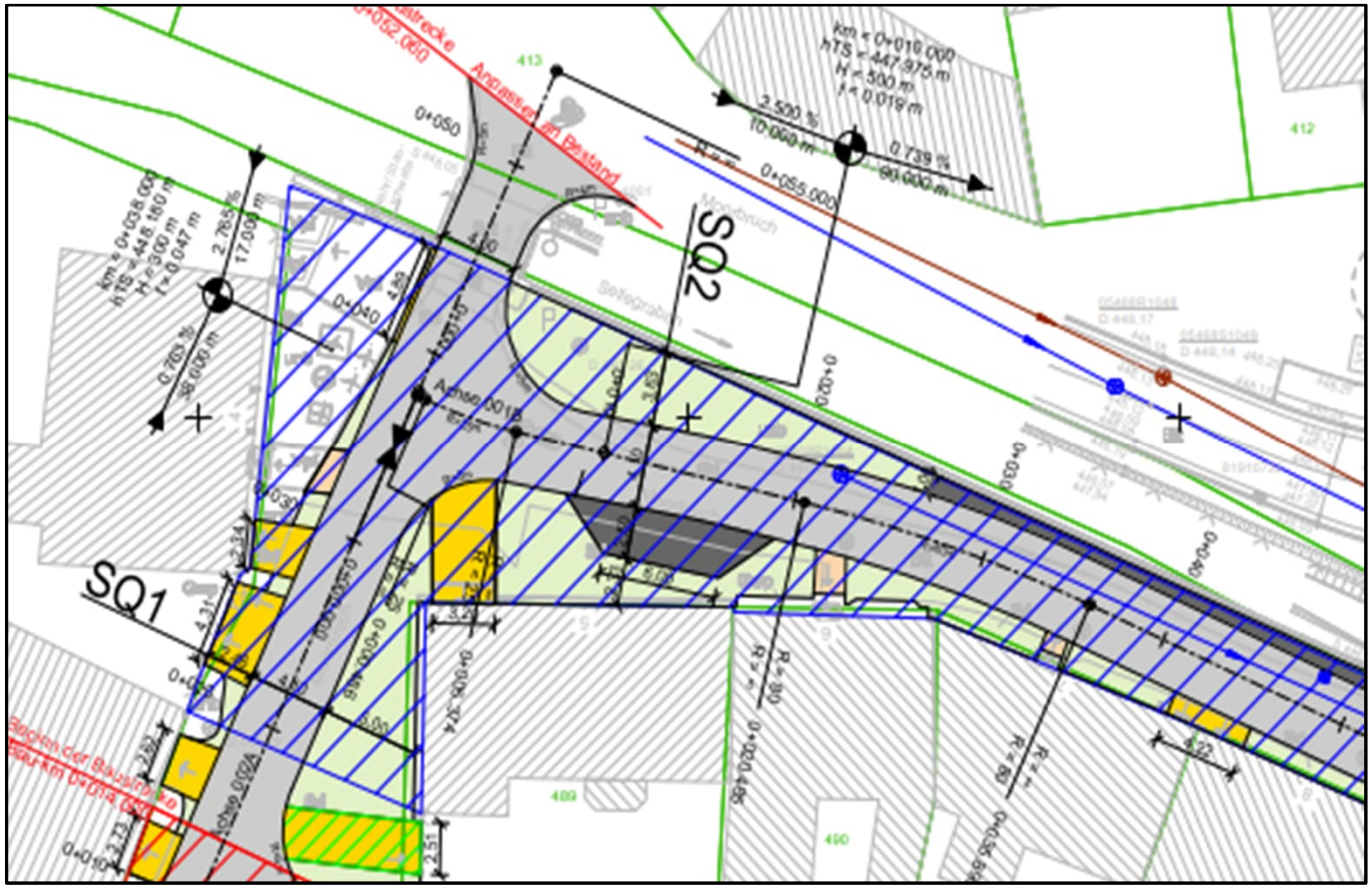


REFERENCES – TRAFFIC FACILITIES

MOORBRUCH

ROAD UPGRADE AT MOORBRUCH RESIDENTIAL AREA

PRELIMINARY DESIGN OF A ROAD UPGRADE AT MOORBRUCH

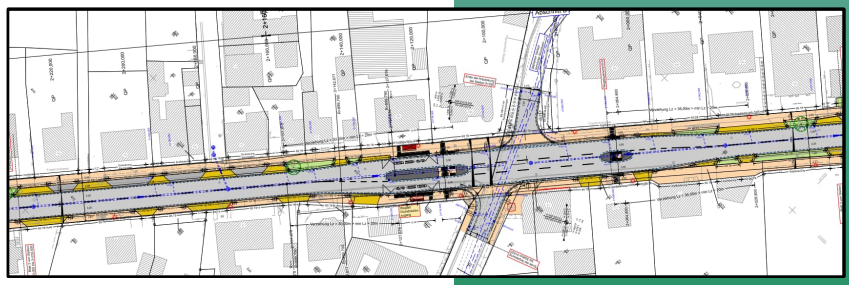


REFERENCES – TRAFFIC FACILITIES

L100 OD WERNIGERODE

ROAD RENEWAL, CONSTRUCTION PHASES 1- 3

CONSTRUCTION COSTS: APPROX. EURO 11 MILLION

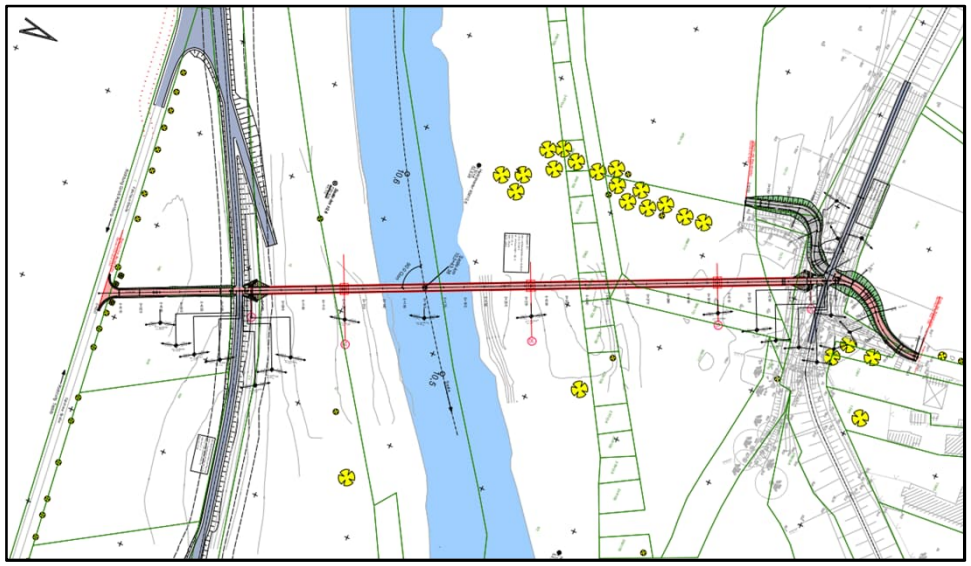


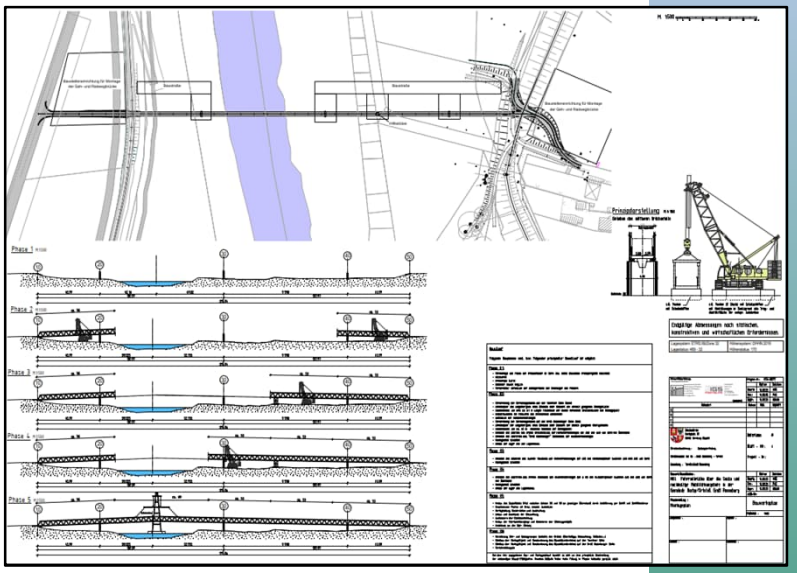
REFERENCES – BRIDGE PLANNING

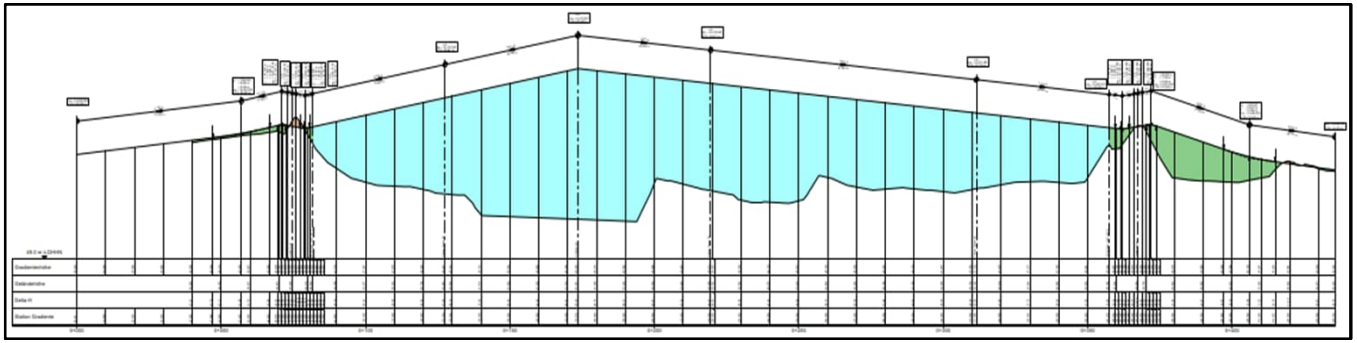
GROß ROSENBURG

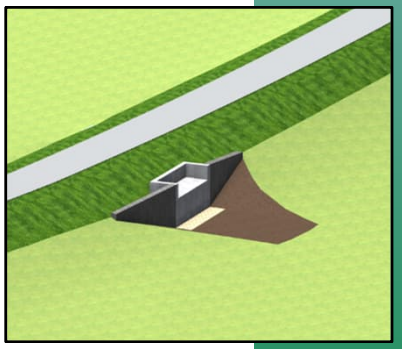
BICYCLE AND PEDESTRIAN BRIDGE

PRELIMINARY DESIGN & DETAIL DESIGN









REFERENCES – BRIDGE PLANNING

IGS Engineers Namibia CC

HIGHWAY A36





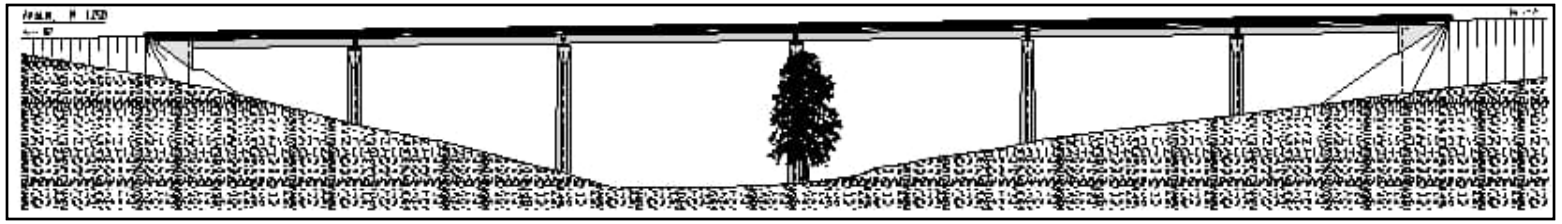
REFERENCES – BRIDGE PLANNING

HIGHWAY A4 – PROJECT „GERMAN UNITY“

A73 BRÜCKE üb. WERRATAL

A73 OCHSENGRUND

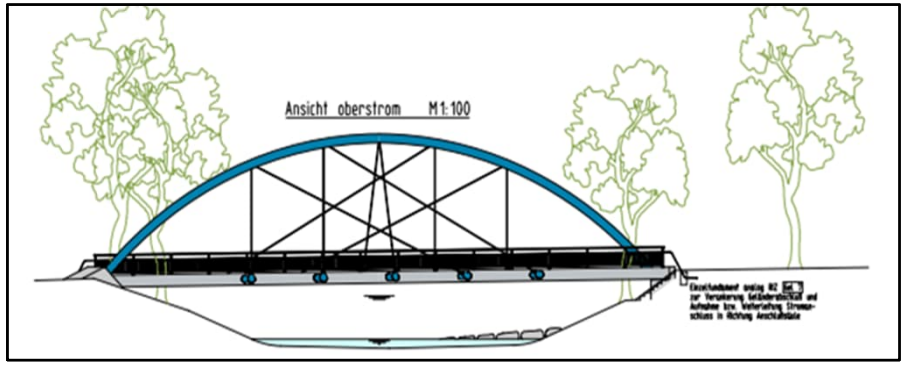
ILLTALBRÜCKE



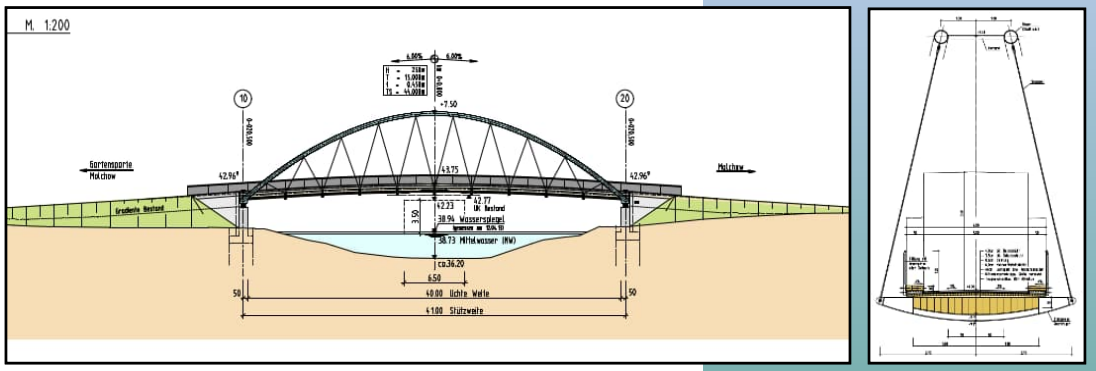
A4 LAASENER GRUND

REFERENCES – BRIDGE PLANNING

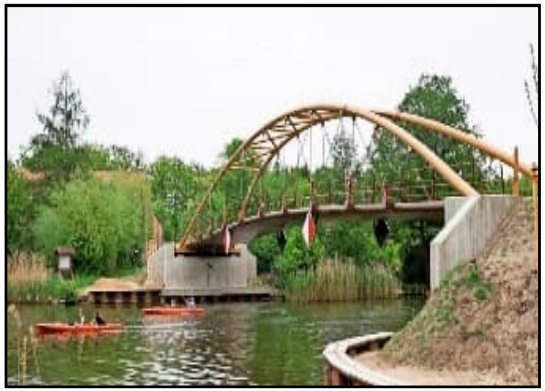
BICYCLE AND PEDESTRIAN BRIDGES



Erfurt (BUGA) - Geraflußschleife



Neuruppin - Molchowbrücke



REFERENCES – BRIDGE REFURBISHMENT

KENNEDY BRIDGE - BONN



BRIDGE „STROMBRÜCKE“ - MAGDEBURG


REFERENCES – STRUCTURAL INSPECTION

- Scope: Identify any potential issues or defects that could compromise the stability, and safety of the structure
- Evaluating all components for structural safety, traffic safety, and durability
- Detailed examination assessment of the condition and integrity of a structure
- Recommend necessary repairs or maintenance (as early as possible)

REFERENCES – STRUCTURAL INSPECTION

Importance of Structural Inspection for Bridges

Safety - Ensuring the safety of the public is the most significant reason for conducting structural inspections. Regular inspections help identify potential hazards or weaknesses in a bridge's structure that could lead to catastrophic failures, accidents, or collapses

Maintenance - Through regular inspections, maintenance needs can be identified early. This proactive approach helps in planning and executing repairs before minor issues become major problems, thus extending the lifespan of the bridge.

Economic Efficiency - Identifying issues early on through structural inspections can prevent costly repairs and replacements. Addressing minor repairs promptly is more cost-effective than dealing with significant structural damage or failure.

REFERENCES – STRUCTURAL INSPECTION

Routine Inspection

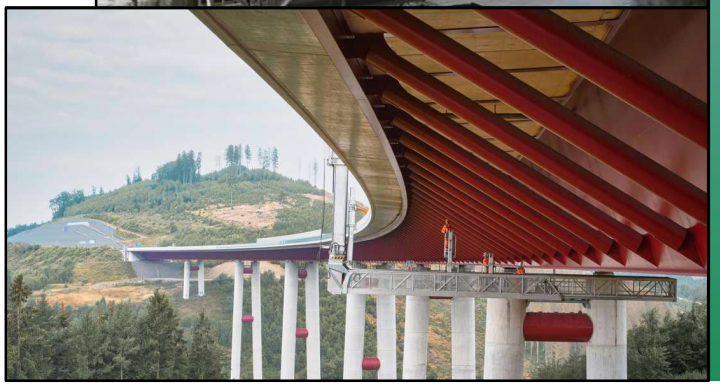
The routine inspection should be conducted as an intensive, extended visual examination without the use of inspection devices or equipment, as far as feasible. This inspection should also include functional parts (e.g., bearings, joints, transition structures) and anchoring of components (e.g., protective covers, noise barriers, cables.

In-Depth Inspection

During the main inspections, all parts of the structure, including those that are difficult to access, must be closely examined, if necessary, with the aid of inspection equipment, scaffolding, and similar tools. Covers of structural components (e.g., protective hoods on cables, bearing sleeves, protective casings, manhole covers, etc.) must be opened.

Special Inspection

A special inspection must be conducted after significant events that affect the condition of the engineering structures or if deemed necessary according the structural monitoring.



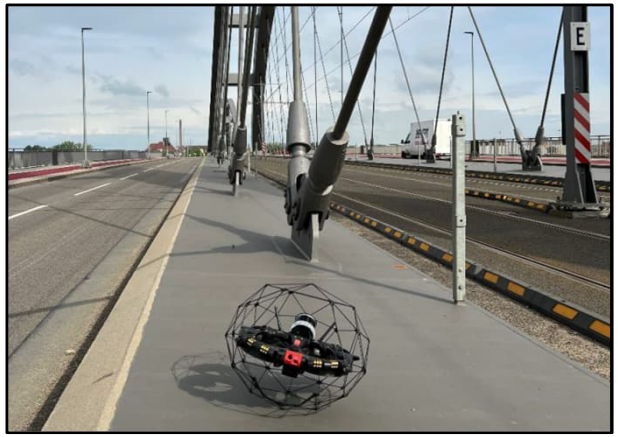
REFERENCES – STRUCTURAL INSPECTION

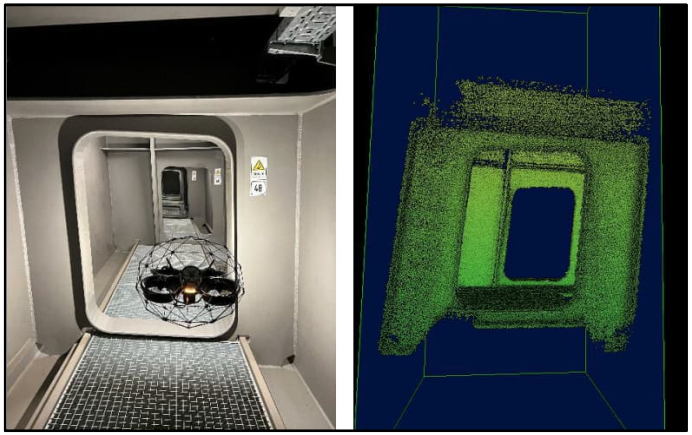
IGS Engineers Namibia CC

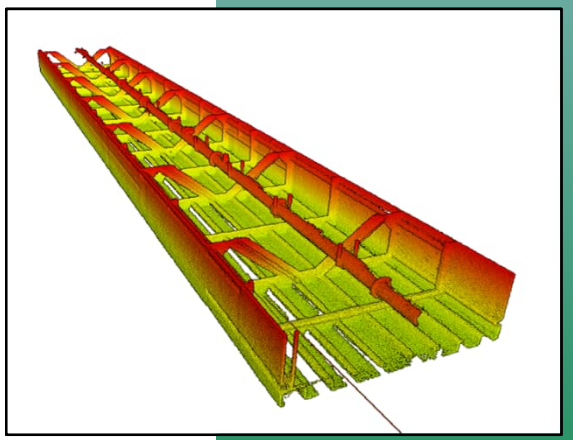
Inspection Methods – Examples for pre-stressed concrete and reinforced concrete

Visual Inspection – Scanning methods

- Supporting the structural inspection
- Precise geometry detection
- Mapping of damages
- Analyzing structural changes







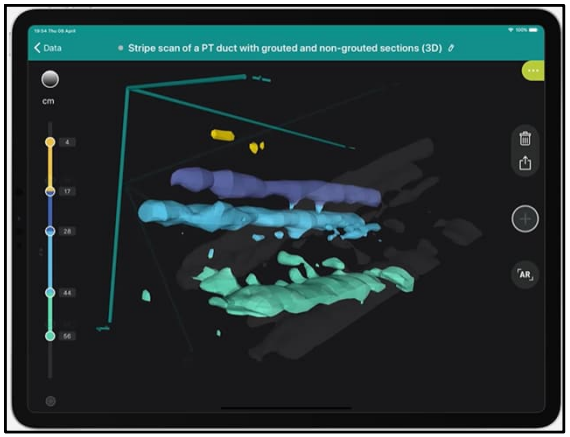
REFERENCES – STRUCTURAL INSPECTION

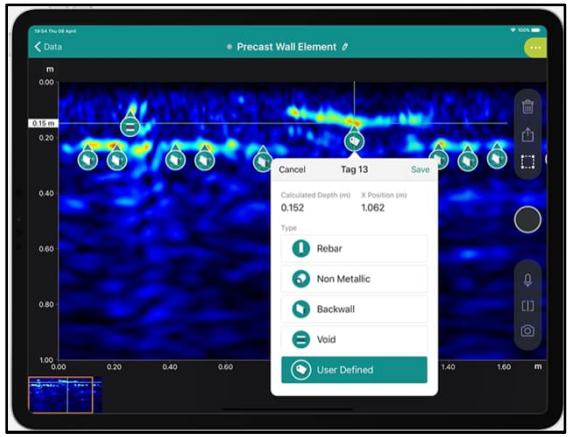
IGS Engineers Namibia CC

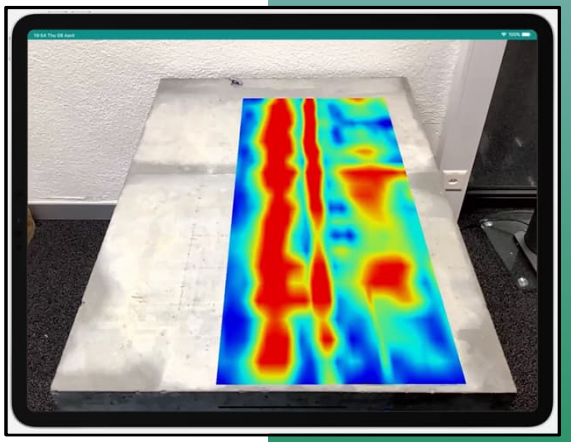
Inspection Methods – Examples for pre-stressed concrete and reinforced concrete

Ultrasonic Pulse Echo Imaging System

- Assessing concrete uniformity
- Assessing thickness
- AI-assisted positioning for high precision
- Locate subsurface defects







REFERENCES – INDUSTRIAL AREA DESIGN

IGS Engineers Namibia CC

WERNIGERODE

INDUSTRIAL AND COMMERCIAL AREA

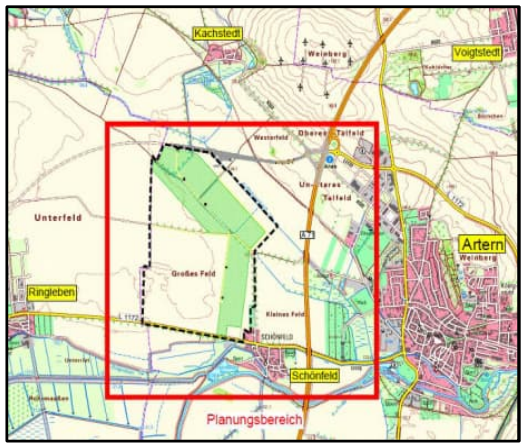
AREA: APPROX. 74 HA, CONSTRUCTION COSTS (NET): EURO 29.6 MILLION

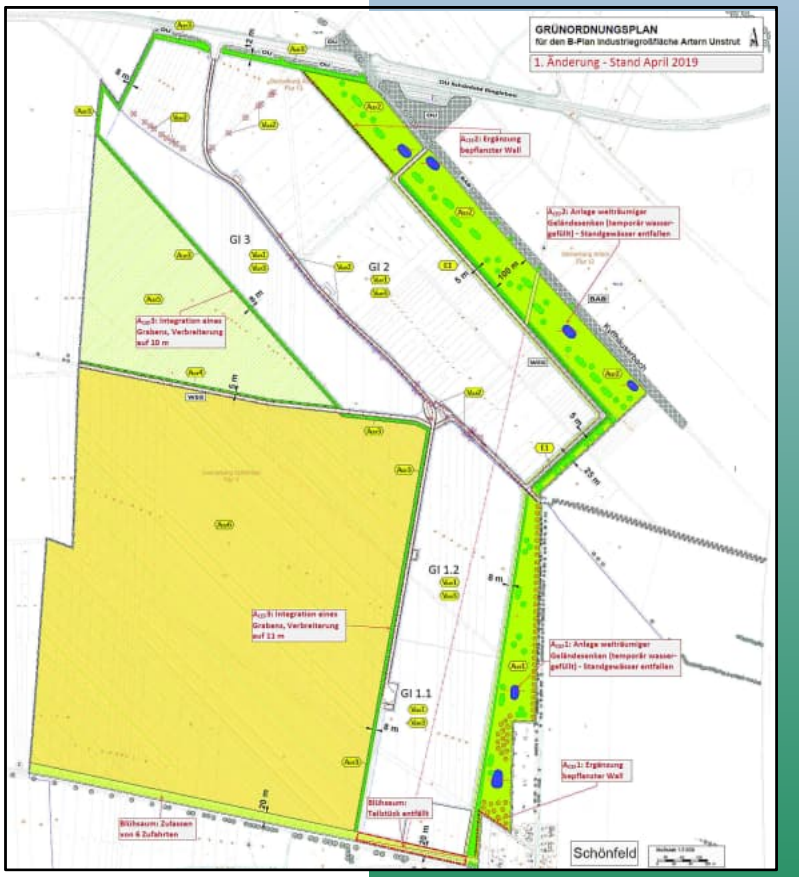
01 02 03 04 05 06 07

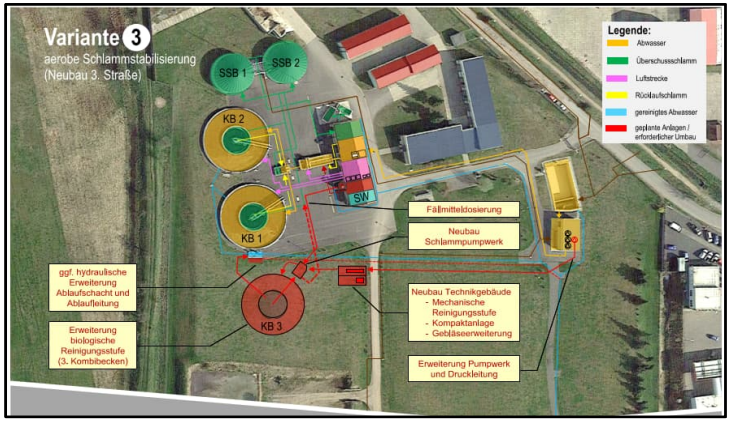
REFERENCES – INDUSTRIAL AREA DESIGN

ARTERN / UNSTRUT

INDUSTRIAL SITE EXTENSION OF THE ARTERN WASTEWATER TREATMENT PLANT
AREA: APPROX. 100 HA, CONSTRUCTION COSTS (NET): EURO 70 MILLION





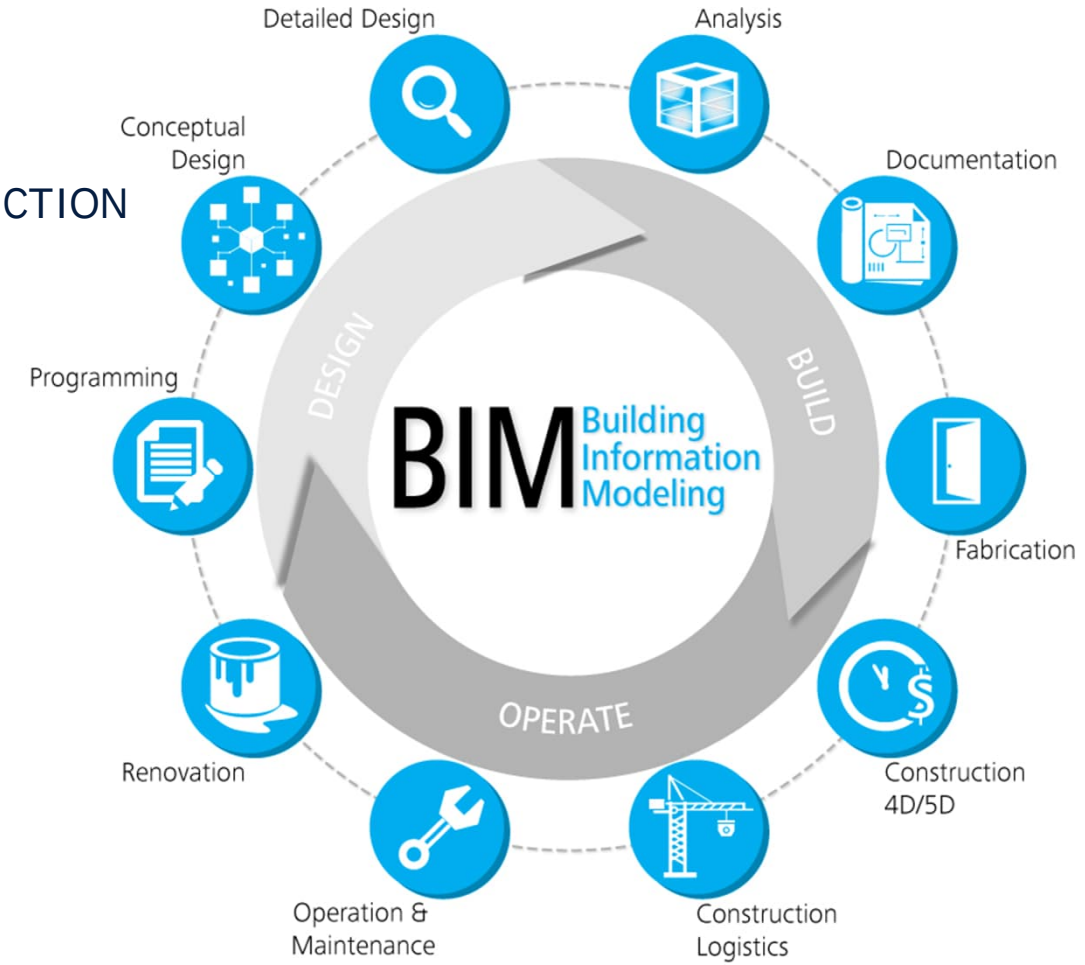


BUILDING INFORMATION MODELING (BIM)

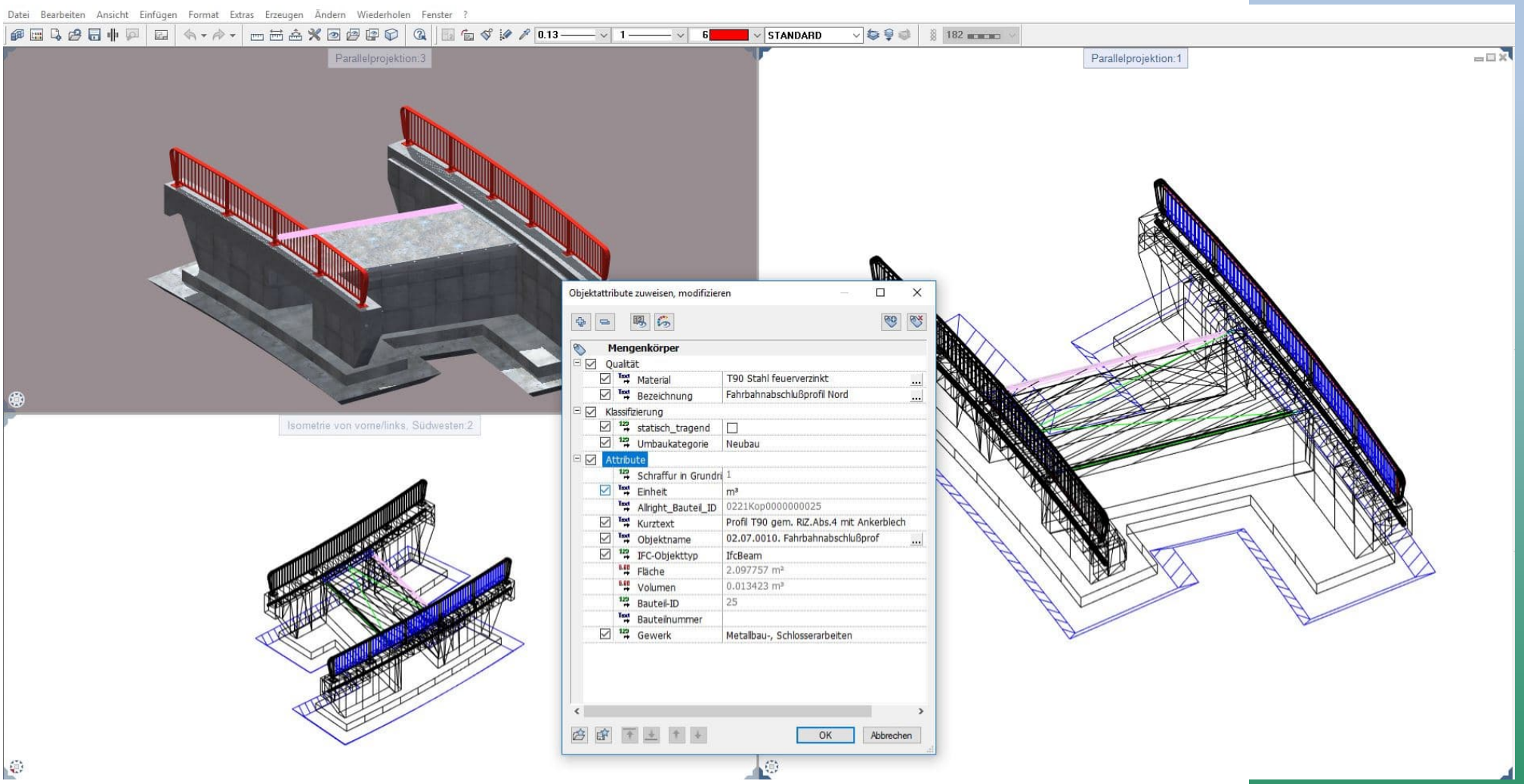
IGS Engineers Namibia CC

LIFECYCLE

- DESIGN
- EXECUTION / CONSTRUCTION
- OPPERATION



BIM DESIGN

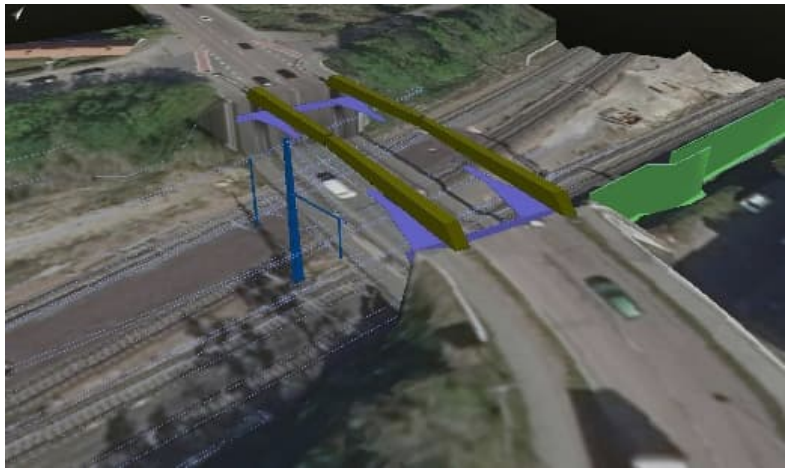

Datei Bearbeiten Ansicht Einfügen Format Extras Erzeugen Ändern Wiederholen Fenster ?
STANDARD
Parallelprojektion:3
Parallelprojektion:1
Isometrie von vorne/links, Südwesten:2
Objektattribute zuweisen, modifizieren
Mengenkörper
Qualität
Material
T90 Stahl feuerverzinkt
Bezeichnung
Fahrbahnabschlußprofil Nord
Klassifizierung
statisch_tragend
Umbaukategorie
Neubau
Attribute
Schraffur in Grundri
Einheit
m³
Allright_Bauteil_ID
0221Kop0000000025
Kurztext
Profil T90 gem. RiZ.Abs.4 mit Ankerblech
Objektname
02.07.0010. Fahrbahnabschlußprof
IFC-Objekttyp
IfcBeam
Fläche
2.097757 m²
Volumen
0.013423 m³
Bauteil-ID
25
Bauteilnummer
Gewerk
Metallbau-, Schlosserarbeiten
OK
Abbrechen

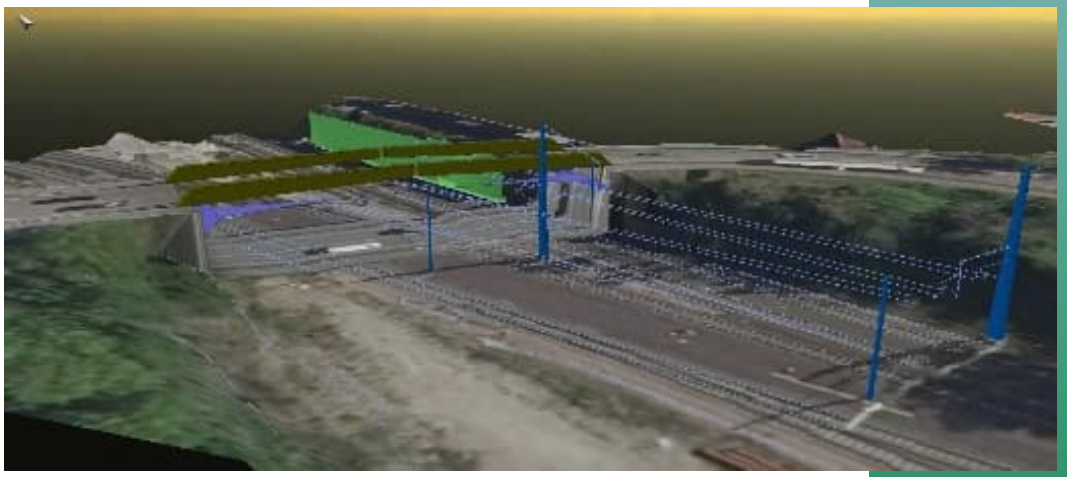
BIM DESIGN - REFERENCES

DESSAU / ROSSLAU

REPLACEMENT OF THE ZERBST BRIDGE (B105) IN THE COURSE OF THE B 184 OVER THE RAILWAY

BRIDGE BEFORE REPLACEMENT





MODEL

01 02 03 04 05 06 07

STRATEGIC PARTNERS

Republic of Namibia
Ministry of Works and Transport

ROADS AUTHORITY
SAFE ROADS TO PROSPERITY

PROVIDENTIAE MEMOR

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MUNICIPALITY OF HENTIES BAY

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OUTAPI
Quality Services for Development and Prosperity
TOWN COUNCIL

QUALITY MANAGEMENT

ZERTIFIKAT

für das Managementsystem
nach DIN EN ISO 9001:2015

IGS Ingenieure GmbH & Co.
Kantstraße 5, 99425 Weimar

Anlage zum
Zertifikat-Nr. TIC 15 100 42344

IGS Ingenieure GmbH & Co. KG
Kantstraße 5, 99425 Weimar

Folgende Standorte sind Bestandteil des Zertifikates:

PRÄQUALIFIKATIONSNACHWEIS

IGS Ingenieure GmbH & Co. KG
99425 Weimar

Leistungen an Infrastrukturanlagen des DB Konzerns

Planung bauliche Anlagen

Verkehrsanlagen (Bahnsteige)
Ingenieurbauwerke (Eisenbahnbrücken)
Ingenieurbauwerke (Personenunter- / Überführungen)

die Präqualifikation.

Die Requalifizierung ist zu beantragen bis 07.11.2021

Präqualifikationsnachweis gültig bis 07.11.2023

Berlin, den 29.11.2019

DB AG
Beschaffung Infrastruktur

QUALITY MANAGEMENT (CONTINUED)

GREEN ELECTRICITY IN USE

First Climate

Ökostrom-
Zertifikat

Hiermit bestätigt First Climate der

IGS Ingenieure GmbH & Co. KG
Kantstraße 5
99425 Weimar

im Auftrag der Stadtwerke Weimar Stadtversorgungs-GmbH den Bezug von 100% erzeugtem Ökostrom gemäß den Qualitätskriterien von **Naturstrom Reinvest Lokal**.

Die Liefermenge beträgt
voraussichtlich
145.000 kWh
für das Jahr 2023

Die Emissionseinsparung beruht auf Herkunftsnachweisen über die Energieerzeugung in ausgewählten europäischen Erneuerbare Energieanlagen.

Der TÜV Rheinland überprüft als unabhängiger Auditor das von der First Climate Markets AG bezogene Ökostromprodukt **„Naturstrom Reinvest Lokal"** auf jährlicher Basis.

Die Entwertung der Herkunftsnachweise erfolgt im Herkunftsnachweisregister des Umweltbundesamtes. Maßgeblich sind die Regelungen des § 30 der Herkunfts- und Regionalnachweisdurchführungsverordnung vom 08. November 2018. Zusätzlich investieren die Stadtwerke Weimar Stadtversorgungs-GmbH einen Beitrag von min. 25 Cent/MWh in nachhaltige Projekte in der Region. Diese Investitionen sind alle drei Jahre nach Produktstart zu belegen.

Bad Vilbel, den 13.01.2023

Olaf Bachert
CEO First Climate Markets AG

Naturstrom Reinvest Lokal

firstclimate

Ökostrom-Zertifikat

Hiermit bestätigen wir der

IGS INGENIEURE GmbH & Co. KG
Kantstraße 5
99425 Weimar

im Auftrag der

Stadtwerke Weimar Stadtversorgungs-GmbH

den Bezug von 100% Ökostrom gemäß den Qualitätskriterien von

Naturstrom Reinvest lokal

der First Climate Markets AG.

Die Liefermenge beträgt

145.000 kWh für das Jahr 2022

Der Ökostrom beruht vollständig auf Herkunftsnachweisen über die Energieerzeugung in ausgewählten europäischen Wasserkraftanlagen.

Maßgeblich sind die Regelungen des § 30 der Herkunfts- und Regionalnachweis-Durchführungsverordnung vom 08. November 2018.

Der **TÜV Rheinland** überprüft als unabhängiger Auditor das bei der First Climate Markets AG bezogene Naturstromprodukt **„Naturstrom Reinvest lokal"** auf jährlicher Basis.

Bad Vilbel, im Januar 2022

Olaf Bachert, CEO First Climate Markets AG

www.firstclimate.com

Naturstrom Reinvest lokal firstclimate

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