



PROJECT DEVELOPMENT
CONSTRUCTION AND ENGINEERING
SERVICES

DIRINGER&SCHEIDEL
UNTERNEHMENSGRUPPE



www.dus.de

WELCOME TO DIRINGER & SCHEIDEL



Dear Reader,

this brochure is intended to give you some insight into the complex service portfolio available from DIRINGER & SCHEIDEL Bauunternehmung GmbH & Co. KG and the technical service providers within our group of companies.

Our know-how and passion for construction and engineering are the core elements behind the strategic and operative management decisions with which we have been driving the dynamic development of our company for almost 100 years.

Major constructions for business, municipalities and industry document our expertise and our claim to excellence as a construction company. Over and above this, we continue to support many properties for the duration of their life cycle with the help of our service providers.

We welcome your interest in our service portfolio.





...run by the same family for four generations

The people, ideas and building blocks behind our success

- 1921 | Franz Anton Diringer founds DIRINGER & SCHEIDEL Bauunternehmung.
- 1946 | His son-in-law, Heinrich Scheidel joins the company. Expansion into further fields of operation. At the end of the war and on Heinrich's initiative, the Rhein-Neckar region sees the launch of a medium-sized but substantial firm dealing in all categories of structural and civil engineering.
- 1969 | Based on these solid foundations, the son, Heinz Scheidel is able not only to carry on the business but respond promptly and successfully to the rapid structural change taking place in the construction industry.
- 1973 | The company's answer to the growing concentration of construction companies is "Better to take over than be taken over". Via targeted investment and corporate expansion, the course is set to gain a sound future footing in specialty markets too. Parallel to implementing countless building measures for industry, commerce and business, the early 70s see the company begin to engage in projects of its own.
- 1990 | A closed cycle is achieved for the production, refinement and processing of raw materials. From now on, the Group has its own plants for the extraction of raw materials, production of building materials and distribution of mainly calcium silicate bricks and porous concrete blocks along with ready-mixed concrete. With German reunification, D&S extends its entire service portfolio to eastern Germany. This is accompanied by an extremely dynamic expansion of the company's own property development business. The new head office for eastern Germany in Dessau-Roßlau, with its own administration and timber yard, is managed by Karlheinz Heffner, Heinz Scheidel's nephew, another office in Leipzig follows. D&S becomes one of the main construction industry employers in the Dessau-Leipzig region.
- 1993 | The project and property development business is taken over by DIRINGER & SCHEIDEL Wohn- und Gewerbebau GmbH. From this evolve ACCURATA Immobilienverwaltung GmbH and DIRINGER & SCHEIDEL Gebäudemanagement GmbH. In the course of their life cycle, the two firms provide all administrative, commercial and technical services related to real estate.
- 1996 | A forward-looking option presents itself in the building sector. The successive merging of four specialty companies leads to the creation of DIRINGER & SCHEIDEL Rohrsanierung GmbH & Co. KG. As an allrounder, the company has at its disposal the comprehensive, complex know-how and virtually all the process technology required for trenchless, highly engineered rehabilitation of sewage lines and pressure pipes. It is considered one of the sector's market leaders thanks to specialists who operate nationwide and in the rest of Europe. Tobias Volckmann, another member of the family, joins the Group.
- 2000 | D&S consolidates its success in the serviced properties segment and obtains a sound foothold in this future market with the help of new living and service concepts. From this emerge the subsidiaries ARIVA Hotel GmbH and avendi Senioren Service GmbH, which go on to become firmly established in the market as operators. Achim Ihrig, another family member, later joins the management team around Heinz Scheidel on the service side.
- 2003 | As a result of the ongoing consolidation and diversification of the Group, it is reorganised into three holdings according to the services offered (Building and Project Development, Building Materials, Services), with the individual companies being assigned accordingly.

COMPANY HISTORY OF DIRINGER & SCHEIDEL



2013 | D&S expands its service portfolio in the field of trenchless rehabilitation of gravity and pressure pipelines. It begins to develop and patent its own high-performance components for the remediation technology market, along with innovative robot systems.

2015 | The development of Quartier Q 6 Q 7 in downtown Mannheim – the biggest proprietary project for D&S thus far, at a total cost of 300 million euros – leads to the founding of the CRM – Center & Retail Management GmbH. Together with the restructured Property und Facility Management division and the newly acquired OCC Management GmbH, D&S offers investors and owners of commercial real estate, including retail, a full 'one-stop' range of facility and operational management services complete with the necessary planning support.

2016 | Following the sale of Q 6 Q 7 by D&S to BMO Real Estate Deutschland during the summer, Quartier opens on schedule in September. D&S takes on the Center Management, Facility and Property Management as well as running of the international Radisson Blu Hotel, Mannheim.

TODAY | The Management Board comprised of members of the owning families, namely Heinz Scheidel (CEO), Karlheinz Heffner (Engineering Director), Tobias Volckmann (Finance Director) and Achim Ihrig (Services Director) continue to steer a sound and sustainable course for the Group with its workforce of over 3,400 employees (of whom around 1,600 work in the building industry).

When it comes to residential, office, retail, hotel and nursing care, D&S is doing a good job of developing its own large-scale projects in the market: five hotels under the management of ARIVA Hotel GmbH, including the Radisson Blu Hotel, Mannheim which opened as part of Q 6 Q 7, and the Hilton Garden Inn due to open early in 2019 next to Mannheim main rail station. avendi Senioren Service GmbH successfully runs 26 senior citizen facilities with in-patient and out-patient nursing care, along with serviced apartments for the elderly. Around 50% of the workforce is now employed in the service sector. Besides foresightful investment in related industries and the latest technologies, it is the Group's qualified staff under the watchful eye of the managing directors that constitute its most precious 'asset'. Their sound (and ongoing) training and their loyalty to the company ensure that the vital inter-generational knowledge transfer takes place at the very highest level and on a basis of mutual respect. The Management Board and the workforce work together day in, day out to shape a successful future for the DIRINGER & SCHEIDEL Group.



Shell construction is the nucleus of our construction company and the foundation of our Group as it stands today.

We have come a long way from the founding in 1921 of DIRINGER & SCHEIDEL Bauunternehmung GmbH & Co. KG as a classic structural engineering firm to the diversified group of companies that you see today. We have however always remained true to construction.

- After the war, we played a major role in rebuilding Mannheim and were able to steadily add to our range of services thereafter.
- A little bit later, we built our first 'turnkey' residential and office buildings, along with complete housing complexes.
- Meanwhile we have our own civil engineering and pipe construction division, with trenchless rehabilitation of gravity and pressure pipelines to be added later.
- The next step will take place within the complex field of industrial construction and civil engineering, involving the assembly of industrial plants and power stations.



- 1 Proprietary project: KEPLER-QUARTIER, Mannheim – TK construction of 209 residential units, hotel, office space, underground parking
- 2 Shell construction: HeidelbergCement Head Office, Heidelberg
- 3 Proprietary project: LanzCarré, Mannheim – TK construction of housing complex, nursing care facility, hotel, retail, underground parking
- 4 Shell construction: TECHNOSEUM, Mannheim
- 5 Shell construction: InterVersicherung, Mannheim
- 6 TK construction: Mannheimer Abendakademie
- 7 Industrial construction: off-spec Silo Nordzucker, Clauen
- 8 Proprietary project: Quartier Q 6 Q 7, Mannheim: TK construction retail, food service industry, hotel, residential, health, underground parking



- As a general contractor, we now take overall responsibility for numerous major building projects right up to turnkey delivery.
- For many years now, we have also been acting as project developer including our subsidiaries and builder-owner of large-scale, predominantly mixed-used projects that we then place on the market for investors and owner occupiers.
- Today we make a point of combining sound traditional craftsmanship with the very latest know-how and are therefore confident of being able to meet the demands of our clients now and in the future.
- Our service providers for trenchless sewer rehabilitation, property and facility management of residential and commercial real estate, center management of retail properties and the running of serviced properties round off the D&S service portfolio as it stands at present.



- 1 Shell construction: Merck canteen, Darmstadt
- 2 Proprietary project: Glückstein ∇ , Mannheim: turnkey construction, 100 residential units
- 3 Proprietary project: Quartier⁴, Mannheim – turnkey construction, office space and 70 residential units
- 4 Proprietary project: WOHN-PARK Niederfeld, Mannheim: turnkey construction, 350 residential units
- 5 Superstructure: new headquarters of HeidelbergCement, Heidelberg

- 1 Proprietary project: Glückstein-Carré, Mannheim – TK construction, office and residential
- 2 Proprietary project: LUIT_PORT, Ludwigshafen – TK construction, 62 residential units
- 3 Industrial building: Friatec, Mannheim – high bay warehouse and office space
- 4 Proprietary project: Best Western Plus Hotel LanzCarré, Mannheim – TK construction
- 5 Proprietary project: Quartier Q 6 Q 7, Mannheim – TK construction, retail, food service industry, medical practices, underground parking



TURNKEY CONSTRUCTION WITH PLANNING SERVICES

A good building is sustainable...

when planning and turnkey construction go hand in hand

On top of our decades-long professional collaboration with a host of renowned architects, we also have our own planning division comprised of architects and interior designers. This is where we create space – with scope for your ideas.

- We are your point of contact for residential and commercial real estate from the word go. Our well-rehearsed team of diverse specialists (incl. auditors for DGNB® or LEED® certification) ensure the greatest possible planning and building efficiency under one roof. Countless self-penned projects testify to the multi-layered nature of our planning activities.



- 1 Planning and TK construction: housing complex, Ludwigshafen – 27 residential units
- 2 Proprietary project: Wilhelmshöhe, Wiesloch – planning and TK construction of serviced apartments and nursing home
- 3 Proprietary project: An der Wiesenau, Steinbach im Taunus – planning and TK constr., serviced apartments and nursing home
- 4 TK constr. with constr. documentation: S.K.E.T. office towers, Karlsruhe
- 5 TK constr. with construction documentation: Klima-Arena, Sinsheim
- 6-8 Planning and TK construction: GAC, Ludwigshafen

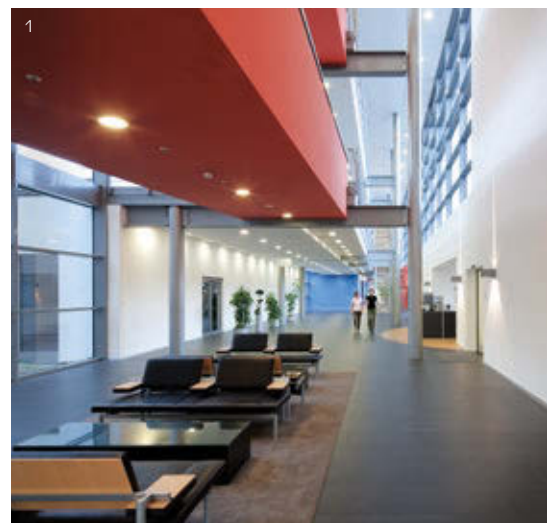


TURNKEY CONSTRUCTION WITH PLANNING SERVICES

- Whether it be the incorporation into the planning process of esthetically pleasing solutions for new builds or refurbishment of existing stock, flexible spatial models or resource-saving concepts, or indeed the construction costs and economic feasibility of subsequent operation – our experts have everything under control. This is our idea of holistic planning and building.

Each of our specialists can count on the other's expertise within an environment conducive to consensus-building. One-stop process management means that not a single detail gets overlooked. We draw on synergies to create genuine added value. Our clients can expect no-fuss direct paths of communication, and a high degree of transparency in all planning and building processes, as well as cost control.

- 1 Becton Dickinson Admin and Training Centre, Foyer
- 2 Planning and TK construction: BD Admin and Training Center, certified LEED® Gold, Heidelberg
- 3 Visualisation of meeting area, office planning
- 4 Proprietary project: residential building, Mannheim – planning and TK construction
- 5 Construction documentation and TK construction: HeidelbergCement TechnologieCenter and office building, Heidelberg
- 6 Planning and TK construction: John Deere Forum, Mannheim

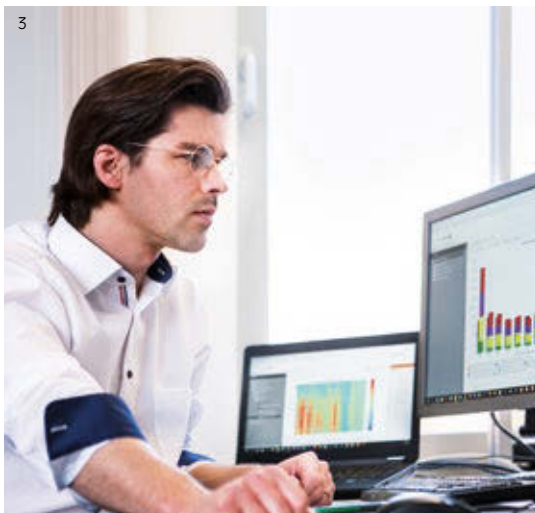


With us you are perfectly equipped...

life-cycle-optimised real estate.

Our Technical Building Services experts invest their know-how in ground-breaking operational services for tomorrow's world. As a certified energy-management company in accordance with DIN ISO EN 50001:2011, we devise innovative and made-to-measure solutions for our clients.

- Technical services engineers and planners are involved early in the planning stage and are an important part of our interdisciplinary D&S project team throughout the construction process.
- With the help of innovative technical services concepts, we bundle our Group know-how with intelligent building services engineering.
- Forward-looking building infrastructure and engineering are increasingly proving their worth in terms of adaptability to the rapid rise of digitalisation processes in buildings management. From smart metering of consumption data to continuous control and finding concrete ways of optimising operation – real estate 'made by D&S' is ideally equipped for the future.



- 1 Digital quality control
- 2 BIM building model
- 3 Energy management in process
- 4 Heating and refrigeration facility
- 5 Efficiency enhancement via finetuning

Contemporary work styles in flexible structures...

for future-proof office areas.

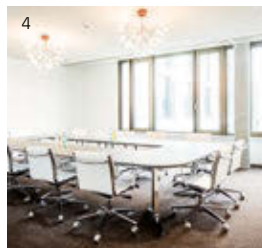
With **OCC Management GmbH**, the D&S Group incorporates a service provider long established in the market for office space planning and move/relocation management. The specialists at OCC see themselves here as managers of change processes.

- Our specialists have been at the side of many companies for years, supporting them with constructive, innovative solutions for a range of projects, from minor tasks up to more complex undertakings.
- Stringent project management is applied to realise ideation, design and change processes along with the necessary planning, and to control and oversee the respective implementation.
- Architects, interior designers, construction engineers, draftsmen, tradesmen and fitters contribute their expertise to planning, construction work and move/relocation management.
- One-stop for our clients: we offer a full service – from conceptual design, capturing building inventory data through the planning and implementation of conversion measures down to moving into the new premises.

Our staff at OCC, the D&S Planning Department and D&S Gebäudemanagement report to one and the same management board at the D&S Group. As a result, they complement each other perfectly in terms of their service portfolios.

For further information go to
www.occ-gmbh.de

1,3,4 Interior office design
2,5 Visualisation
of flexible office



All systems go...

for the best possible real estate performance.

DIRINGER & SCHEIDEL Gebäudemanagement GmbH as an FM service provider with an engineering slant and specialist building expertise, currently manages over 400 objects, keeping a constant eye on the complete life cycle of the properties and value maintenance.

- It is at the planning stage that the course is set for the subsequent operation of a building. It is therefore easy to appreciate how a builder owner can benefit from the early involvement of facility managers and close coordination with the experts from building services.
- The deployment of facility management in parallel to the planning and construction of a building allows for made-to-measure operating concepts that take account of engineering requirements.
- Drawing on the extensive construction know-how of D&S, D&S Gebäudemanagement offers further services that go far beyond the scope of conventional technical and infrastructural facility management. In the case of external projects, this means that customers can benefit from a detailed installation inventory and evaluation of the as-is state to illustrate and ultimately achieve the desired target.
- Our experts advise their clients not only on maintenance and repair but also on the modernisation, renewal, extension or conversion of properties. Under the Group umbrella we offer the full range of services – from consulting and planning down to actual construction.
- Our facility managers support and coordinate any necessary change processes, thus creating a genuine 'bonus' over conventional FM competitors.

Besides securing the intrinsic value of the properties entrusted to us, we aspire to a relationship of trust between partners and strong user satisfaction over the entire life cycle of your real estate.

For further information go to
www.dus-gm.de



- 1 Inspection work
- 2 Start-up process at KEPLER-QUARTIER, Mannheim
- 3 Commercial property Quartier Q 6 Q 7, Mannheim
- 4 Analytical labs Dr. Limbach, Heidelberg
- 5 Logistics centre, Mannheim



Preserving and maintaining...

because a sound structure pays in the end.

All kinds of buildings fall victim to environmental influences and the 'ravages of time'. Our experienced D&S specialists get to the root of the problem. Their answer: thorough remediation and restoration.

- In the case of concrete repair, we offer one-stop service from damage analysis to the drawing up of a remediation concept down to full implementation.
- Industrial safety: we offer our industrial clients specific professional floor coatings that can withstand harmful, chemical and thermal influences.
- We offer you 'reinforcement': as one of a handful of specialised companies in Germany, we are authorized to deploy adhesive bonded reinforcement with carbon fiber (CFK) and steel plating for enhanced bearing capacity of ceilings, concrete supports or bridgework.

What is more, remediation and restoration work on natural stone of art-historical significance calls for skilled specialised craftsmen. We have them.



- 1 Restoration of natural stone portals, KEPLER-QUARTIER, Mannheim
- 2 Restoration of natural stone, residential building, Mannheim
- 3 Protective coating, factory floor
- 4 CFRP bonded strips for ceiling reinforcement
- 5 Concrete refurbishment, flight of steps, Technomuseum, Mannheim



Know-how in every dimension...

high-level manpower, machines and materials.

Whether it be road, bridge, track or sewer construction, we've been at home in every aspect of construction for decades.

- As a member of Güteschutzgemeinschaft 'Kanalbau' (RAL 962/2), Germany's quality assurance association for sewer construction, and as a comprehensively certified business, our sense of responsibility doesn't end with ensuring that we use only materials and machines of the highest quality.
- Our day-to-day business likewise entails the start-to-finish development of new residential, commercial and industrial complexes and the implementation of individual infrastructural measures for municipal utility companies, business and industry.
- We have our own centres of excellence for landfill remediation and pipe bursting in Dessau-Roßlau, and for track construction in Aschaffenburg.



1 Site development, industrial estate, Schwetzingen-Nord (Decathlon)
 2 Civil engineering and track construction, quayside, Mannheim
 3 Track construction, industrial area, Mannheim
 4 Sewer construction, Mannheim
 5 Sewer construction, Mannheim
 6 Landfill remediation, Dessau-Roßlau
 7 High-level drinking water tank, Offenbach



CIVIL AND UNDERGROUND ENGINEERING

- Thanks to the regular intensive training of our staff, we can guarantee our clients the highest quality of construction work at all times.
- Our experienced engineers are well-versed in the commercial and technical sides of project coordination and construction site management. At our company, the civil engineering and pipeline construction sectors are united under the same management team, which guarantees smoothly coordinated measures and short paths of communication.

- 1 Proprietary project, Quartier Q 6 Q 7, Mannheim: civil engineering
- 2,4 Full civil engineering redesign incl. traffic infrastructure and landscaping, „Quartiersplatz Chemie“ Merck, Darmstadt
- 3 Asphalt paving, district heating tank, GKM, Mannheim
- 5 Cast-in-place drain GKM, Mannheim



PIPELINE CONSTRUCTION

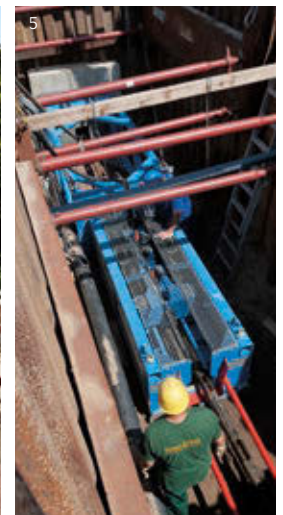
“Using every trick in the book...”

pipeline construction places high demands on safety and hygiene.

Supply lines are the backbone of a functioning infrastructure. Without power, water, district heating or gas, everything comes to a standstill. That's why the responsibility for this sector weighs so heavily in building projects.

- Legislators are particularly fussy when it comes to gas and water, and rightly so. Only those contractors who technical and human resources allow them to guarantee safety and hygiene during and after the construction work are permitted to work in this field.

- 1 Water pipeline construction, MVV, Mannheim
- 2 District heating pipeline, MVV, Mannheim
- 3 Water pipeline construction at triangular junction, Mannheim
- 4 Gas-, water and district heating construction, Ludwigshafen
- 5 Hydraulic pull-back unit for bursting unit, BASF, Ludwigshafen



PIPELINE CONSTRUCTION

- We are of course in possession of all required permits and licenses such as DVGW GW 301, Groups G1 and W1, and AGFW FW 601, Group FW 1, and are a company specialised in water protection according to the German Federal Water Act (WHG). We also hold welding certification for steel constructions according to DIN EN 1090-2 and are a certified welding company according to DIN EN ISO 3834-2.

We can therefore assure our clients that in selecting the procedure that promises to deliver the best possible quality for the measure in question, we shall not only guarantee safety but also take economic factors into account.



- 1 Production of first pit and manned pipe driving, crossing federal motorway 5, Heidelberg
- 2 Building of pipelines Daimler, Mannheim
- 3 Welding on gas high-pressure pipeline, Heidelberg
- 4 Installation of a new gas pipeline including gas transfer station Baustoffwerk Löbnitz for Mitgas net
- 5 Installation gas culvert, Leipzig



TRENCHLESS PIPE REHABILITATION

Trenchless, there is no better...

we guide you safely through the high-tech world of trenchless pipe rehabilitation.

Besides classic pipeline construction, we've been active in the field of trenchless pipe rehabilitation of gravity and pressure pipelines for more than two decades. **DIRINGER & SCHEIDEL ROHRSANIERUNG GmbH & Co. KG** has been a market leader in this sector for many years now.

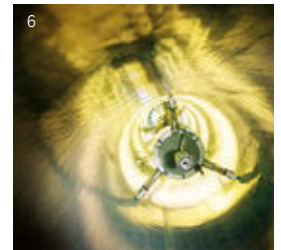
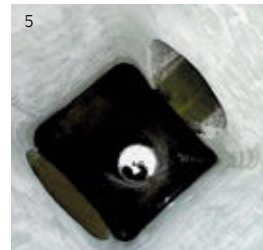
- The pipe rehabilitation experts at D&S possess all the technical know-how and master the full range of well-engineered technologies for Europe-wide applications.
- In the case of urgent pipeline rehabilitation within narrow time frames, during normal company operations or in inaccessible regions/buildings, trenchless technology is often the best way to proceed.
- Signed and sealed: D&S Rohrsanierung is certified according to DIN EN ISO 9001:2008 and is entitled to use all the necessary quality marks of evaluation group 'S', as well as holding DVGW (Technical and Scientific Association for Gas and Water) certification.
- A comprehensive comparative systems analysis enables one-stop customised and economic solutions: from compact pipes and different tubular lining procedures to cement-mortar lining, relining and pipe reduction, robotics, underground pipeline rehabilitation down to pipe bursting methods and manual rehabilitation.

Over and above all this, our decades of experience feed into the successful development and production of new systems, products and technical components for this future market.

For further information go to www.dus-rohr.de



- 1 Sewer rehab. using the compact pipe method, FRA airport
- 2 Pipe bursting method
- 3 Rehab. of fresh water pipe by a bridge using the DynTec method, Ponte Punta Penna Pizzone di Taranto/Apulia
- 4 Vertiliner for manhole rehabilitation
- 5 Well, coated with vertiliner
- 6 UV-liner, light source for circle profile
- 7 Cityliner for gravity and pressure pipelines
- 8 Water pipeline rehabilitation, the DynTec method, St. Vigil/South Tyrol



Pipeline rehabilitation needs innovation...

to survive in tomorrow's market.

Within the D&S Group, the subsidiaries responsible for the development of products, sealing systems, technical components and innovative robotics for trenchless pipeline rehabilitation are **Pipe-Seal-Tec GmbH** and **Pipe-Aqua-Tec GmbH**, along with the associated company **Pipetronics GmbH**, into which we introduced sewer rehab robotics, an operating field from the former **Pipe-Robo-Tec GmbH**.

- By continuously developing internal pipe sealing systems, technical equipment and components, accessories and service, we are innovating towards higher-quality and more efficient sewer rehab technology for the future.
- Safety is our top priority: whether it be process components, sealing systems or high-end technical equipment – they all undergo thorough testing by external experts and are approved by law.
- Outdated pipeline systems and a long backlog of repair work are increasing the need for prompt action to ensure a completely hygienic supply of drinking water to the public. Our BlueLine® pipework system is therefore gaining in significance, and not just in Europe.
- Users benefit from customized service packages, permanently available technical support and individual training from our company – naturally with the corresponding proof of certification.

Our developments reflect 20 years of practical experience with all established trenchless rehabilitation procedures. In dialogue with users and experts it is our aim to continue setting innovative new standards in this important market in the future.

For further information go to
www.pipe-seal-tec.de
www.pipe-aqua-tec.de
www.pipetronics.com



- 1 Compact-Pipe in action
- 2 Mobile vehicle and computer technology
- 3 Blueliner undergoing impregnation with epoxy resin
- 4 RedEx internal sealing collar
- 5 Pipe-Seal-Flex stainless steel sealing sleeve
- 6 Milling and smoothing robot with camera, pipetronics



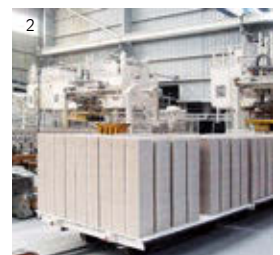
Via gravels and sands...

to first-class sand-lime brick and cellular concrete.

Since the founding and bringing into service of **Kieswerke Löbnitz** (gravel quarry) in 1993, and **Baustoffwerke Löbnitz** (factory for making building materials) as associate companies in 1996, the DIRINGER & SCHEIDEL Group has been able to call modern and quality-controlled plants for the certified production of building materials its own.

- Kieswerke Löbnitz currently spans approximately 350 hectares. Around 800,000 t of gravels, gravel blends and sands of varying (grain) size – including coarse gravel, masonry sand and playground sand according to DIN 18034 are obtained and reconstituted.
- Besides gravels and sands, Baustoffwerke Löbnitz produces and sells around 39 million tons of sand-lime bricks (NF) and 32,000m³ cellular concrete from its own plant directly to the consumer.
- The two quality-controlled plants supply not only the D&S parent group but also builder's merchants and renowned DIY chains.
- The D&S project developers seek new purposes for dredged quarries (excavated lakes). This policy gave rise to the 85-hectare weekend and holiday home complex of Mühlfeldsee in the middle of the Central German Lake District.

For further information go to
www.kieswerke-loebnitz.de, www.bwloebnitz.de



- 1 Gravel conveyor system
- 2 Lime sandstone in the pressing hall
- 3 Direct sales and transport
- 4 Cellular concrete Euro pallet
- 5 Aerial view of KIESWERKE und BAUSTOFFWERKE LÖBNITZ
- 6 Proprietary project: Mühlfeldsee weekend and holiday home complex



CONCRETE PRODUCTION AND RECYCLING

Sustainable, resource-efficient...

top-grade concrete and recycled building materials from D&S.

The D&S Group's **Transportbetonwerk** founded in Mannheim-Neckarau in 1996 is one of the region's most modern production facilities for concrete and recycled building materials. It was the first plant in northern Baden-Württemberg to become certified for its own mix of recycled concrete.

- Certified products and regular checks of the facility by the Betonüberwachungsverein (BÜV), the German control board for concrete, guarantee the highest quality.
- Besides all grades of concrete, our ready-mixed concrete plant produces Class C 30/37 recycled concrete, which is used regularly for building construction.
- Pre-production stages such as the breaking up, sieving and grading of excavated material and asphalt take place on site under expert supervision.
- Mineral construction waste is used to make products such as QRB (Quality Assurance System)-certified recycled frost protection material for use in road construction.
- The factory's product range also includes liquid soils for use in inaccessible areas in the field of civil engineering and pipeline construction, and backfill material made of gravel and sands.
- The products are delivered ex-works directly to the building sites of the region.



- 1 Concreting work, proprietary project KEPLER-QUARTIER, Mannheim
- 2 Loading a ready-mix concrete transporter truck
- 3 Aerial view of TRANSPORTBETONWERK MANNHEIM, recycling zone
- 4 Concreting work at GKM, Mannheim



REFERENCES



STRUCTURAL ENGINEERING: Construction engineering and industrial construction

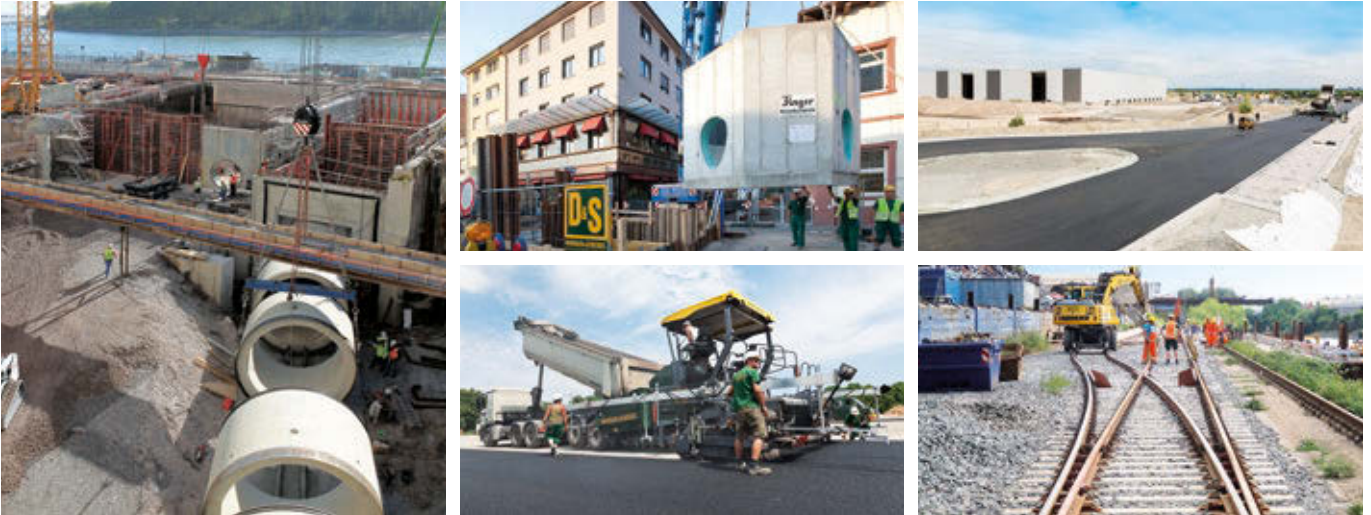


STRUCTURAL ENGINEERING: Industry, business, administration



STRUCTURAL ENGINEERING (proprietary projects): residential, hotel, care, retail, office

REFERENCES



CIVIL ENGINEERING: canal-, road-, railroad construction



PIPELINE CONSTRUCTION: district heating, water, gas, landfill gas venting

PIPE REHABILITATION



LÖBNITZ GRAVEL/BUILDING MATERIALS PLANT

RC BUILDING MATERIALS PROCESSING PLANT MA

CERTIFICATES AND PERMITS IN CONSTRUCTION AND ENGINEERING

We are a member of Gütegemeinschaft Beton (Quality Control Association for Concrete) and the Gütegemeinschaft Herstellung und Instandhaltung von Abwasserleitungen und Kanälen e.V. (Quality Control Association for the Production and Maintenance of Sewage Pipes and Sewers), and, as a specialist company, hold numerous permits and certificates, some of which are listed below:

- QMS certified company in accordance with DIN EN ISO 9001:2015
- EnMS certified company in accordance with DIN EN ISO 50001:2011
- EMS certified company in accordance with DIN EN ISO 14001:2015
- Approved DGNB® and LEED® auditors for retail, office and admin buildings
- Certificate of suitability as per manufacturer and user regulations (HAVO) for the manufacture and installation of concrete in monitoring classes 2 and 3 and other specific properties on building sites in accordance with DIN 1045-3
- Certified pipeline construction company in accordance with DVGW (German Technical and Scientific Association for Gas and Water) GW 301, Group W1, G1; DVGW GW 302, Group R3: RR, RV; Group GN 3; Group R 2; DVGW GW 381, Group LTB
- Certified district heating/pipeline construction company in accordance with AGFW (German Heat and Power Association) FW 601, Group FW1
- Quality seal RAL underground cabling 962/2
- Quality seal RAL sewer construction AK2
- Licensed specialist in accordance with §19 WHG (Water Framework Directive)
- Certified company for the welding of metal construction materials in accordance with DIN EN ISO 3834-2
- Certified for welding of steel structures up to EXC 3 in accordance with DIN EN 1090-2
- Certified for load-bearing construction components and construction kits for steel structures up to EXC 3 according to EN 1090-2
- Certificate of suitability for the welding of concrete reinforcing steel according to DIN EN ISO 17660
- Certificate of suitability as per manufacturer and user regulations (HAVO) for the maintenance of load-bearing concrete structural elements whose structural integrity is at risk
- Certificate for the reinforcement of concrete structural elements by bonding steel mounting plates and CFRP strips
- Certificate for the safety management system based on BASF specifications
- Certified waste disposal company in accordance with Section 56 KrWG (Closed Substance Cycle and Waste Management Act)
- Qualified recycling company in accordance with products certified according to BÜV/QRB (Baden-Württemberg Quality Control System for Recycling Building Materials)
- Entry in Hessian pre-qualification register (HPQR certificate)
- Certified company according to the SGU (Safety, Health, Environment) management system, SCC[®]

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D&S:

Gebäudemanagement, OCC Management, Planning Department



ZERTIFIKAT

Die ZER-QMS bescheinigt hiermit, dass das Unternehmen

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für die in der Anlage näher bezeichneten Standorte und die Tätigkeiten **Planung und Ausführung von Bauarbeiten im In- und Ausland im Hochbau (Roh- und Schlüsselfertigbau), Tief- und Rohrleitungsbau, Ingenieurbau, Kabelleitungslief- und Gleisbau, Bauwerkssanierung, Projektentwicklung und Gebäudemanagement, Innenarchitektur, Bau- und Büroraumplanung, Umzugsmanagement, Standortverlagerung sowie Facility Management Beratung** ein **Qualitätsmanagementsystem** eingeführt hat und anwendet.

Die Anlage ist Bestandteil der Urkunde und umfasst zwei Seiten.

Durch ein Audit, Verfahrens-Nr. **Z2246**, wurde der Nachweis erbracht, dass dieses Managementsystem die Forderungen der folgenden Norm erfüllt:

DIN EN ISO 9001:2015

Dieses Zertifikat ist gültig ab: **27.05.2018**

Dieses Zertifikat ist gültig bis: **26.05.2021**

Zertifikat-Registrier-Nr.: **759/Z2246**

Köln, den 30.05.2018

Franz Becht

(Zertifizierungsstelle)
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