

AL RASHED PEIKKO LLC COMPANY PROFILE

Peikko guides you towards a faster, safer and more efficient way to design and build.



Al Rashed Peikko LLC Hail Center, Office 1328 King Fahd Road Ar Rakah Al Janubiyah Al Khobar 34226 Kingdom of Saudi Arabia Tel. +966 13 834 0982 gulf@peikko.com Visit our website to find out more about our references, detailed technical information on products, a complete product catalogue, technical manuals and downloadable design software and components.

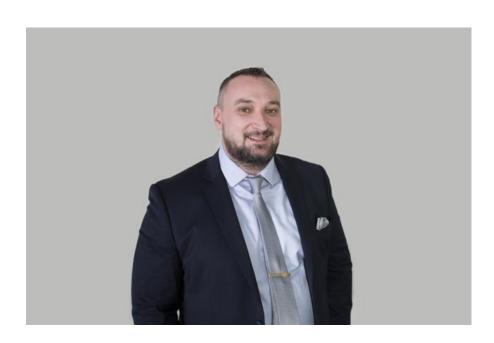
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CHAIRMAN'S MESSAGE

"Our aim is to serve our customers locally with leading solutions in the field in terms of quality, safety and innovation. Peikko has a clear focus on regularly introducing new, tested innovative solutions and services. That is why our investments in Research and Development are among the highest in the field. "



Radovan Endel, General Manager

PEIKKO GROUP CORPORATION - CONCRETE CONNECTIONS SINCE 1965

Peikko Group was founded in 1965 and is headquartered in Lahti, Finland. Peikko supplies slim floor structures, wind energy applications and connection technology for precast and cast-in-situ construction. Peikko's innovative solutions offer a faster, safer, and more efficient way to design and build.

Peikko has sales offices in over 30 countries in Asia-Pacific. Europe, Africa, the Middle East, and North America, with manufacturing operations in 11 countries. Peikko is a familyowned and managed company that employs over 1,800 professionals. Peikko generated a turnover of EUR 231 million in 2019.

Our aim is to serve you locally with leading solutions in terms of quality, safety and innovation. Peikko has a clear focus on regularly introducing new, tested innovative solutions and services. That is why our R&D investments are among the highest in the field.

Al Rashed Peikko LLC is Peikko Group's subsidiary in the Middle East and it is based in the Kingdom of Saudi Arabia.



AL RASHED PEIKKO LLC - ABOUT US

Al Rashed Peikko LLC started its operations in the Middle East in 2008. It is a joint venture formed by Peikko Group Corporation, a specialist in concrete connections and composite beam structures, and Rashed Abdul Rahman Al Rashed & Sons Group, a dynamic, leading trading and industrial conglomerate in Saudi Arabia. Peikko Group Corporation (Finland) is the majority shareholder in the joint venture.

Al Rashed Peikko LLC has two sales offices in the Middle East; Al Rashed Peikko LLC in Dammam, in the Kingdom of Saudi Arabia and Peikko Gulf LLC in Ras Al Khaimah Industrial Area in United Arab Emirates. Peikko Gulf LLC has also a production unit.

Al Rashed Peikko LLC is a leading supplier in the GCC countries for the innovative solutions for precast ele-ment connections, cast-in-situ accessories and com-ponents, and integrated composite beams. Al Rashed Peikko LLC is the sole representative of Peikko Group Corporation on the GCC region.

All products of Peikko Group are pre-engineered and tested. The products have declared capacities and Peikko Group is carrying full liability for the declared values. Peikko's products and design are insured up to 10 millions EUR.





CUSTOMER VALUE

Peikko aims to create value to its customers by having full control over its supply chain. All key products are manufactured in-house in modern and purpose-built efficient factories. We have regional warehousing in 15 locations, Saudi Arabia being one of them. Every transaction between the client and us creates added value on the client's part because Al Rashed Peikko LLC employs highly trained technical sales personnel and a team of experienced engineers in every region where it operates.

COMPANY ETHICS

We at Al Rashed Peikko LLC are committed to doing business in an ethical and sustainable manner. Our Code of Conduct provides us with common guide-lines for future decisions. In addition to our employ-ees, it gives all stakeholders a perspective about the company culture, its acceptable business practices, and its compliance with laws, standards, and regula-tions. Rather than to create new commitments, Peik-ko's Code of Conduct clarifies and documents our ex-isting best practices.

OUR VALUES DEFINE HOW WE WORK, EVERY DAY



Meeting customer needs



Respecting and trusting each other



Aiming to be better every day



Seeking profitable growth

TARGETS

Based on Peikko's Values, our business strategy is to achieve a high level of customer satisfaction and profitable growth. We achieve this by continuously improving and by working in a respectful and trust-worthy manner. It is expected that every employee is aware of and complies with our ethical principles of business and human interaction at Peikko.

QUALITY, ENVIRONMENT AND SAFETY

We at Peikko believe in manufacturing our products by ourselves - in-house manufacturing ensures quali-ty and flexible, fast deliveries. The products are stored close to the customers in 15 warehouses located all over the world.

Peikko Group Corporation has certified Quality, En-vironmental and Safety Management Systems ac-cording to ISO 9001:2008, ISO 14001:2004 and OHSAS18001:2007. The production of the main pro-duction units is certified according to ISO 3834-2 and EN 1090. Al Rashed Peikko is ISO and OHSAS certified locally.

Peikko's operations are based on localized and reli-able customer service, excellence in R&D and manu-facturing. This includes good co-operation with cus-tomers, other stakeholders and within society. Our overall aim is to consistently deliver high quality and to work in an environmentally aware manner. Peikko is committed to continuous improvement in health and safety of our employees, customers and contractors. We aim to excel in occupational health and safety performance and achieve an accident-free-op-eration. This is accomplished by focusing on our way of working - by putting safety first.

FOCUS ON R&D

Peikko introduces regularly new, tested innovative solutions and services. The investments made on R&D are among the highest in its field.

Peikko products run exhaustive product tests in major European universities. Our products are widely approved according to both international and local standards.

We also provide our customers with experienced Technical Support and offer our expertise on design whenever required. Besides of our professionals, we have also available online tools for Designers.

TOOLS FOR DESIGNERS

Peikko Designer® is Peikko's own design software to help you to select the most suitable Peikko product for your structure. Peikko Designer® is free for registered users.

The modern, intuitive user interface is based on interactive 3D graphics. As the software updates automatically, you will always benefit from the latest features. Peikko Designer® includes a wide range of European design norms, ACI 318-14 and several languages.

Peikko Designer® offers a range of benefits:

- Helps to select the most suitable Peikko product for the structure in question
- All design cases in a project calculated by Peikko Designer® can be saved to one project file
- · Load cases can be copied from structural analysis and design software and added to Peikko Designer®
- · Automatic structural calculations
- Various calculation results can be easily printed in several languages

In order to download Peikko's Tools for Designers, please visit our website www.peikko.ae/design-tools/



IN-HOUSE MANUFACTURING

We at Peikko believe in manufacturing our products by ourselves - in-house manufacturing ensures quali-ty and flexible, fast deliveries. The products are stored close to the customers in 15 warehouses located all over the world.

In the Middle East our manufacturing capabilities are streamlined for efficiency. With our facility in Ras Al Khaimah (United Arab Emirates) we are able to en-sure high quality standard as well as flexible and fast deliveries. Our factory has 2,800 m² of combined production and warehousing area.

Our handling equipment includes cranes, forklifts and a range of semi-automatic and automatic machines such as welding robot unit cell, threading of reinforcement bar, forging machine and resistance automatic welding. Our Thermal cutting and equipment incorporates the most modern technology and enables us to perform an extensive range of cutting and bending for our products. At Peikko Gulf LLC welding is carried out to the highest quality standards. All welders are fully trained and their performance is constantly monitored, both on production site as well as by third party inspection agencies. In house knowledge includes sawing and drilling capabilities as well as blasting, cleaning and corrosion protection.









PRODUCTS AND SOLUTIONS

BOLTED COLUMN CONNECTIONS

With bolted column connections, you can easily in-stall columns to foundations and beams or make column-to-column connections.

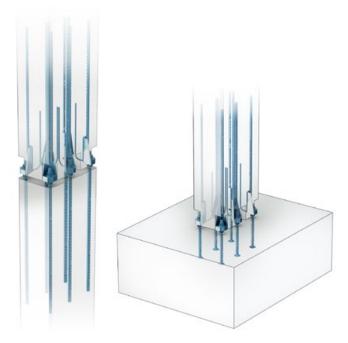
The connection is made with column shoes and anchor bolts. The column shoes are cast into precast concrete columns, while the anchor bolts are cast into the foundations or into another column to form a column splice.

The beauty of a bolted, mechanical connection is that it can be done with a small crew on site and no temporary bracing is needed. As soon as the nuts are tightened, the connection is moment resistant and the crane can move on to the next column. Once grouted, a bolt connection is as stiff as a cast in-situ connection.

Bolted connections locate columns accurately, speed up the erection process, minimize crane time, and enhance safety by maximizing accessibility on site.

Many commonly used competing systems for connecting columns are challenging and time-consuming to design in comparison to Peikko's industrialized column connections.

Most competing systems require a large crew and temporary bracing to let the grout cure. This leads to unnecessary time loss and unprofitable use of manpower and can affect safety on site. Peikko's bolted column connections maximize safety and efficiency.



DELTABEAM® SLIM FLOOR STRUCTURE

Peikko's DELTABEAM® Slim Floor Structure is a flexible solution always tailored to the customer's needs. It enables slender and light structural solutions that provide savings in terms of volume and costs.

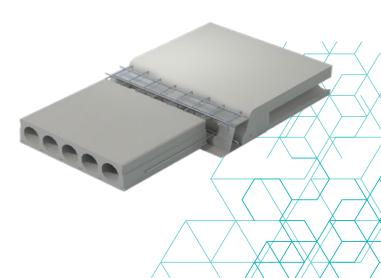
DELTABEAM® can be connected to concrete, steel, or composite columns by using Peikko's solutions, such as Hidden Corbels, Anchor Bolts, or Welding Plates.

Choosing a slim floor structure for your new project means flexible layouts and more floors for a given height of the building – you can gain one extra floor for your building. As there will be less cubic meters per square meters, heating and cooling costs will be lower and the building more sustainable – unless you decide to use the space saved by the slim-floor structure to get extra room height for the convenience of the users.

DELTABEAM® Slim Floor Structure and its long spans allow you to create open spaces with grids of up to 12 x 16 meters. It requires less building materials and allows for flexible layouts over the entire life cycle of the building. When building downward, the excavation depth is also minimized. Thanks to the modularity of DELTABEAM®, construction time is reduced and exposure to weather is minimized. This translates into more flexibility and, ultimately, a more profitable building.

Unique in design, each beam fits perfectly to the structure and the pre-designed, standardized connections. DELTABEAM® only requires little or no propping. A small crew can erect a multistorey building faster than with any other system on the market. Integrated fireproofing offers additional time and cost savings. The reinforcement inside the beam ensures lifelong fireproofing. Proven by multiple full-scale fire tests, DELTABEAM® Slim-Floor Structure is fireproofed even to R180 standard.

With custom shaped and in-built formwork, you will have more architectural freedom while retaining the efficiency of the DELTABEAM® Slim-Floor Structure.



BEAM CONNECTIONS

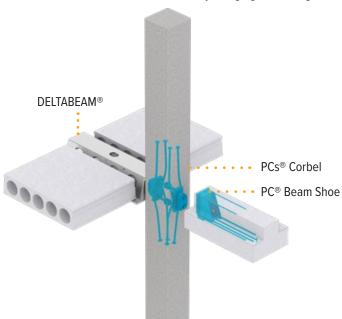
PCs® Corbel is a modular corbel where the cast-in part enables straight mold walls and the bolted bracket offers superior adjustability and high resistances. The PCs® Corbel system enables to achieve maximum floor height and create visually appealing beam-column connections in residential buildings.

PCs® Corbel is used as vertical support for steel beams, composite steel-concrete beams such as Peikko's DELTABEAM®, reinforced concrete beams and walls. It consists of a corbel plate bolted to a machined steel column plate integrated into the column. The column plate is cast into the column together with the main reinforcement and the corbel plate is attached to the column only after the formwork is removed. The system enables connecting as many beams to the columns as the cross-section allows.

PCs® Corbel is dimensioned so that the positioning of the corbel part relative to the column plate can be adjusted. After the corbel plate is bolted onto the column plate, PCs® Corbel is ready for use without any wedging or welding.

PC® Beam Shoes are used for easy installation of both reinforced and pre-stressed precast concrete beams to columns. PC® Beam Shoes are used as the counterpart for PCs® Corbels.

PC® Beam Shoes are cast to the beam where all parts of the beam shoe are hidden. It consists of steel plates that form a pocket for corbel and reinforcing bars to anchor forces into the beam. PC® Beam Shoes are dimensioned to be used with PCs® Corbel so that the final position of the beam installed on the corbel can be freely adjusted. After the corbel plate of PCs® Corbel is bolted onto the column, a beam with PC® Beam Shoe can be installed on the corbel without any wedging or welding.



BECO® Beam Shoes are connecting items used to create effective, moment-resisting connections be-tween precast concrete columns and precast concrete beams. The Beam Shoes are casted into precast concrete beams, while Anchoring Couplers are casted into columns. On the construction site the beams are erected on corbels, adjusted to the correct positions and fixed to the Anchoring Couplers with the help of threaded bars. The joint between beam and column should be grouted before loading the beam. After grout is hardened, the joint works as reinforced concrete structure.



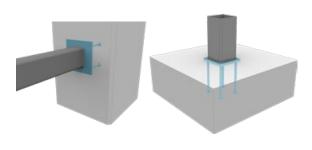
WELDED CONNECTIONS

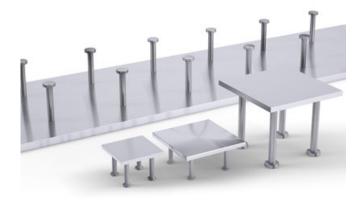
WELDA® Fastening Plate family include anchor plates for transferring heavy loads from steel structures to concrete, e.g. in industrial constructions. This is done by welding a connection to the fastening plate. WELDA® Fastening Plates are designed to be used load bearing structures of concrete frame but the stud headed rebar anchors of WELDA® enable structural connections also to thinner concrete members.

Dimensions and shapes of WELDA® Fastening Plates can be modified according to project specific needs and they are available in various material combinations in plates and studs. By request the plate can also be machined, e.g. drilling of nail holes.

WELDA® Fastening Plates are specially designed to be used in thin and shallow structures such as wall panels or slabs but they can also be placed in other structures such as beams and columns. Smooth stud headed anchors welded onto the plate enable easy installation to reinforcement.

To fulfill customer specific needs dimensions and shapes of WELDA® Fastening Plates can be modified. By request the plate can also be machined, e.g. drilling of nail holes, or other components can be welded to the plate. WELDA® Fastening Plates are also available in various material combinations in plates and studs.





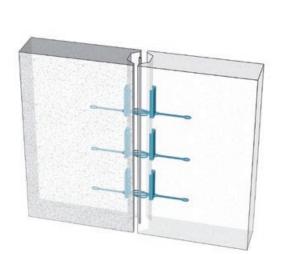
Long WELDA® and P3KL Fastening Plates are solutions for long welded connections. Long Fastening Plates are especially suitable for heavy industrial constructions and machine foundations.

Long WELDA® and P3KL Fastening Plates are de-signed to be used when long connections or several connections are needed on one plate. The length of the plates can be flexibly designed up to 6 m.

WALL CONNECTIONS

PVL® Connecting Loops are single-wire loops for connecting precast wall panels to each other or to a column. PVL® Connecting Loops make wall installation easy: just remove the tape and bend the loop to the operating position.

Wire loop boxes are installed to the formwork according to the spacing needed to bear the shear loads, before the panel is cast. After removing the formwork, the protective tape will be removed and the loop is opened with a hammer or a pin. Wall panels are installed and supported according to plans. A vertical rebar is installed into a joint through the loops, and the horizontal position of the loops is checked. After completion of the formwork, concrete grout is poured or pumped into the joint.

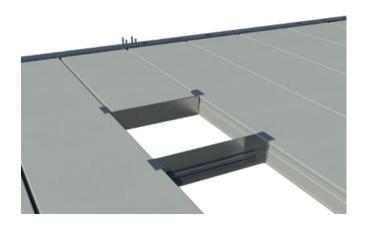


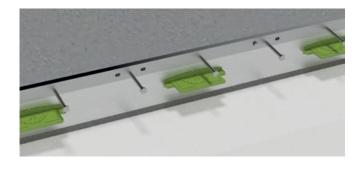
SLAB OPENINGS

PETRA® Slab Hanger is used to support hollow-core slabs and make openings and configurations into hollow-core slab floors. PETRA® is a unique technical solution that has all the benefits of a standardized product, while being used for applications that usually require careful static analyses and tailor-made structural solutions.

PETRA® consists of an L-shaped steel front plate welded together with side plates. PETRA® is usually hanged on two parallel slabs and one or more slabs are supported by the front plate. PETRA® is designed to support slabs during assembly, in normal use and also in fire situations without the need for temporary supports or propping.

PETRA® is available in several standard models that are pre-dimensioned so that their shape and resistances fit with the properties of most of the hollow-core slabs available on the European market. PETRA® and PETRA® Strong slab hangers are designed to support hollow-core slabs of up to 500 mm for making openings. Spans of up to 10 m are easily sup-ported with standard PETRA®s. There are also special models available for hollow-core slabs with bathroom recesses and for cases where adjacent slabs are of different height.







CONCRETE FLOOR PRODUCTS

TERAJOINT® is a prefabricated leave-in-place joint system designed to build formed free-movement joints, consisting of heavy-duty arris armoring, permanent formwork and a load transfer system. It is suitable for all large-area construction methods for ground-bearing and pile-supported concrete floors. TERAJOINT® is the industry standard in the range of prefabricated heavy-duty movement joint systems for high flatness category industrial floors. TERAJOINT® transfers vertical loads between adjacent slabs and minimizes the vertical displacement of the slabs. The load transfer system is accomplished by utilizing highstrength steel discrete plate dowels, moving within rigid plastic release sleeves. The cold drawn steel rails provide extremely durable protection to the slab arrises, making it ideal for floors in a heavy-duty traffic environment.

The system ensures reliable load transfer in formed freemovement joints with openings up to 20 mm wide, and it is suitable for slab depths from 100 mm to 300 mm. TERAJOINT® can be supplied with different types of plate dowel systems. TERAJOINT® is available in plain steel, hot-dip galvanized finish or stainless steel, which means that the system offers a solution for all operational environments.



TERADOWEL Load Transfer System is designed for contraction of free movement joints in concrete floors for cases when slab edge protection is not required.

TERADOWEL allows all directional movement in the horizontal slab plane and minimizes vertical deflection of the slab edges. It eliminates completely the risk of slab interlock, as often seen with conventional bar dowel load transfer system applications. TERADOWEL is a highly economical system with load transfer capabilities.

TERADOWEL is recommended to be used for joint openings up to 20 mm wide, and is suitable for construction of all types of ground level floor slabs such as jointed or jointless, ground bearing and pile supported concrete floors.

A versatile, prefabricated leave-in-place UNIRAIL® Screed Rail system enables easy installation of super flat screeds. The system ensures the straightness and flatness tolerances of screeds with depths from 40 mm to 120 mm and enables construction of super flat screeds. It is an easy-to-use, fast track installation system. With the addition of a plastic top extender, a stable base can be provided for running any type of screeding mechanism.

UNIRAIL® is manufactured from galvanized high-strength steel, suitable for internal and external use. Tie bars, service cables or heating pipes can be fitted through the apertures in the rails. The system provides a full-strength perpendicular face to the edge of the slab in full depth without voids or cavities



PUNCHING REINFORCEMENT

PSB® and ARMATA Punching Reinforcements are ETA- and ACIapproved systems providing the highest resistance on the market. Punching and Shear Rails offer simple and reliable solutions against punching shear failure and shear failure of slabs, foundations, walls and beams by increasing their resistance.

Peikko's Punching Reinforcement is applicable to various kinds of structural systems and installation situations. Rails consist of double-headed studs, welded to a non-structural flat bar. The system is available as 2- or 3- stud elements, which can be used to construct the required reinforcement, or as complete elements with at least 10 studs. Elements are manufactured individually according to the static requirements. Being fully integrated in the concrete elements, it is an ideal reinforcement system for monolithic slim structures or flat concrete structures in general, which can be used as punching reinforcement or shear reinforcement.

LIFTING AND TRANSPORTATION

The KK Lifting System is an ideal system to lift and transport precast concrete beams, slabs, walls, and pipes. The KK Lifting System with spherical-head KK Lifting Inserts is designed for rapid coupling and re-lease with specially designed KK Lifting Keys. It is safe on-site with recessed insert installation and gives de-sign freedom in all available load directions.

The KK Lifting System is easy to use thanks to a wide selection of inserts with load capacities up to 32 tons.

- · Rapid coupling and release
- · All lifting directions possible
- Available in sizes from 1.3 to 32 tons
- · Easy installation with recess formers
- Individual serial numbering on KK Lifting Keys

The KK Lifting System enables lifting angles up to 90 degrees. The RR Lifting System is a rapid coupling and release lifting system with flat steel inserts. Used with special Lifting Keys, RR Inserts offer a wide range of application, from slabs to columns, walls, and beams with no limit on lifting load direction. A wide selection of lifting inserts suits different kinds of lifting and transportation needs.

- · Rapid coupling and release
- · All lifting directions possible
- Available in load classes from 2.5 to 26 tons
- Easy installation with recess formers, no protruding of
- Two optional Lifting Keys with individual serial numbering

The RR Lifting System enables angles up to 90 degrees.





The JENKA Lifting System consists of a threaded JENKA Lifting Insert cast into a concrete element and a JENKA Lifting Key, together enabling a crane hook or lifting accessories such as lifting slings or spreader beams to be connected to the precast concrete element for lifting and handling.

The anchoring of the JENKA Lifting System is based on effective rebar and threaded sockets assembled on plane or recessed leaving the element surface free.

- The most economical lifting system
- · Wide range of applications
- Safe working load (SWL) capacities up to 125kN
- Small recess cover plugs available in plastic and stainless steel
- · Color coding and individual serial numbering for JENKA Lifting Keys

Improved working safety – no protruding above the concrete surface

All Peikko's Lifting Systems are designed and manufactured in accordance with EU Machinery Directive 2006/42/EC and VDI/BV-BS 6205.



Al Bawani Co. LTD

Al Fanar Building Systems

Al Kifah Precast Company

Al Kifah Contracting Company

Al Rashid Abetong Co. Ltd.

Alabniah - Precast Concrete

Bahra Precast Company

Bahrain Precast Concrete Company W.L.L. Bechtel

Bina Advance Conc.

Dar Al-Handasah

Eastern Precast Bahrain

Eastern Precast Concrete

Faden Trading Contracting

Inco Industrial Contractors

Khatib & Alami

Nesma Trading Co. Ltd.

Prainsa Precast Company

Precast Building System Co. Ltd. USBS Premco Precast

Qanbar Dywidag

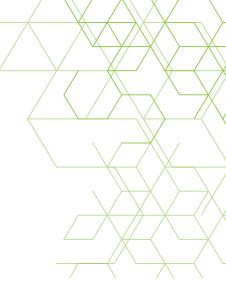
Rabiah-Nassar & Zamil Concrete Industries Rdb El Seif Ltd.

Royal Commission for Jubail & Yanbu Twintec International

Saudi Electricity Company

MAIN CUSTOMER GROUPS





REFERENCES

SECURITY FORCES MEDICAL CENTER PROJECT IN RIYADH - KSA MAIN HOSPITAL BUILDING

Project facts

Delivery year: 2018-2019

Owner: Kingdom of Saudi Arabia - Ministry of Interior

Consultant: Manens-Tifs

Construction Company: ABV Rock Group Co. Ltd.

Peikko's solutions provided: ARMATA®, Embedded Plates



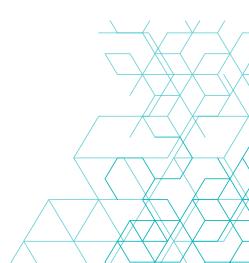
The project Special Forces Medical Center in Riyadh & Jeddah also known as MOI-SFMC, is considered as the largest complete healthcare facility investment in the whole Gulf Cooperation Council (GCC) costing \$7 billion. It is owned by the Ministry of Interior (MOI) of the Kingdom of Saudi Arabia. The medical facility in Riyadh has a total covered area 2.5 million square meters.

Hospital total built-up area is approximately 491,000 square meters and is composed of 3 different sections:

- Main Hospital
- Women & Children's Hospital
- Psychiatric Hospital

The Hospital is made by specialized Centers of Healthcare Excellence: Women & Children, Cardiovascular, Oncology, Neuromuscoloskeletal and Rehabilitation branches, providing high quality services. The total number of beds are 1,248. In addition to general operating rooms, of which 25 in the Adult Surgery Department and 12 in the Pediatric one, the hospital have four different hybrid ORs with CT, MRI, Biplane Angiography System and Robotic Arm configuration, in order to cover every pathologic field of human diseases. Finally, the Main Hospital building harbors a high automated central laboratory, in order to process every human sample coming from hospital care activities and daily external patients, in a total area of almost 6,500 square meters. The central laboratory will guarantee the best high-throughput results.

Al Rashed Peikko LLC supplied more than 300,000 pcs of ARMATA® shear studs of various sizes and diameter and embedded plates.



SECURITY FORCES MEDICAL CENTER PROJECT IN RIYADH – KSA APARTMENT BUILDINGS AND VILLAS

Project facts

Delivery year: 2017-2020

Owner: Kingdom of Saudi Arabia - Ministry of Interior

Consultant: Manens-Tifs

Construction Company: ABV Rock Group Co. Ltd.

Precasters: AlRashid Abetong Co. Ltd., RDB El Seif Company Ltd.

Peikko's solutions provided: DELTABEAM® Composite Beams, PETRA® Steel Hangers, Column Shoes, Anchor Bolts, Lifting Items,

Embedded Steel Plates



The project Special Forces Medical Center in Riyadh & Jeddah also known as MOI-SFMC, is considered as the largest complete healthcare facility investment in the whole Gulf Cooperation Council (GCC) costing \$7 billion. It is owned by the Ministry of Interior (MOI) of the Kingdom of Saudi Arabia. The medical facility in Riyadh has a total covered area 2.5 million square meters. The hospital building has a total built-up area of 491,000 square meters.

AlRashed Peikko LLC partnered with precasters AlRashed Abetong Co. Ltd. (ARA) and RDB El Seif Company Ltd. in the construction of the 29Nos G+8 and G+4 Apartments Buildings (2,742 apartment units) and 195Nos Two-Storey Villas using full precast building system in combination of DELTABEAM® Slim Floor system. Peikko KSA supplied a total of 8.2km of DELTABEAM® Composite Beams.

Residential has a total built-up area approximately 500,000 square meters and consists of:

- 195 two-storey villas
- 696 Family Apartments divided into 29 buildings
- A total of 2046 apartments for single male and single female divided into 11 buildings

CENTRIA MALL DABAB RESTAURANTS COMPLEX IN RIYADH - KSA

Project facts

Delivery year: 2018-2019

Owner: Naser Bin Ibrahim Alrasheed Consultant: Al-Jamaan Consultant

Construction Company: Badr M. Al-Deghaither Est. for Contracting **Precaster:** Rabiah-Nassar & Zamil Concrete Industries Co. Ltd.

Peikko's solutions provided: DELTABEAM® Composite Beams, Column Shoes, Anchor Bolts, ARMATA®



This new commercial project in Riyadh is one among a number of Centria Mall Restaurant outlets in Saudi Arabia where top line of retail shops and restaurant outlets are also housed. The project consists of 2-level parking basements and G+2 floors. Al Rashed Peikko LLC in partnership with Rabian-Nassar & Zamil Concrete Industries Co. (RANCO), supplied 0.70 km of DELTABEAM®s, with cantilevers up to 5.5m.

THE CARE OF THE HANDICAPPED BUILDING IN HAIL - KSA

Project facts Delivery year: 2020

Owner: Disabled Children Association (DCA)

Construction Company: Adel Fuhaid Al-Ardhi Establishment for Contracting

Precaster: MAS Precast Company

Peikko's solutions provided: DELTABEAM® Composite Beams, Column Shoes, Anchor Bolts, Lifting Items



Saudi Arabia's Disabled Children's Association (DCA) continues its efforts to complete its charity investment projects. The G+3 DCA Building Project in Hail is one among a number of planned investments of the association in the kingdom. DCA works to help maximize the quality of life for disabled children in Saudi Arabia. Al Rashed Peikko LLC supplied 0.5km of DELTABEAM®s for this project.

AL MOUWASAT KITCHEN IN DAMMAM - KSA

Project facts

Delivery year: 2019 - 2020 Owner: Mouwasat Hospital

Construction Company: Building Specialized Contracting Co.

Precaster: Bina Advanced Concrete Products

Peikko's solutions provided: DELTABEAM® Composite Beams, Column Shoes, Anchor Bolts, PETRA®



In 2017, Mouwasat Medical Services Company's board of directors has approved some amendments to the expansion project of its hospital in Dammam, which comprises the construction of a G+3 multi-story annex to the main hospital. The expansion also included the construction of a kitchen for Mouwasat Hospital. Construction was started in the end of 2019. The use of DELTABEAM® in this project allowed to create a slim floor structure and get flat ceilings. DELTABEAM®s in combination with Peikko Column connection system, significantly accelerated the process of building construction. Al Rashed Peikko LLC supplied 0.6km of DELTABEAM®s.

MOI SOUTH BORDER HOUSING PROJECT IN NAJRAN & JIZAN - KSA

Project facts

Developer: MOI

Construction Company: El Seif Structural Designer: Archin Precaster: RDB El Seif Delivery year: 2016-2018 Copletion year: 2018

Peikko's solutions provided: Lifting Systems, Wall Element Connectors



The housing project of Saudi Arabia Ministry of Interior in the cities of Najran and Jizan includes 1,000 villas and more than 600 apartments. The precast elements have been connected with 3 million pcs of Peikko's PVL® Connecting Loops. weeks. Using the conventional method of construction, homes of this size, type and style typically take a year to construct. This project won the 2013 TCA Tilt-Up Achievement Award.

STC NETWORK OPERATION CONTROL IN RIYADH - KSA

Project facts

Owner: Saudi Telecom Company (STC)

Construction Company: Al-Latifia Trading & Contracting Co.

Precasters: BINA Advanced Concrete Products, Rabiah-Nassar & Zamil Concrete Industries Co.

Delivery year: 2018-2019 **Completion year:** 2019

Peikko's solutions provided: Column Shoes, Anchor Bolts, Lifting Systems



STC NOC project is the center for all of STC network operations, and one of the most magnificent operations center in all of the telecommunications industry. This command center will ensure the maximum level of service quality on a continuous basis, spanning over all of STC's NOC's, contact centers, tactical facilities and it will optimize the performance of the STC network in all geographies.

This project includes G+3 Network Operation Control Building and G+2 Multi-Storey Carpark Building, in two different locations inside King Abdul Aziz Telecom Complex in Riyadh. It has a total built-up area of 78,000 m².

Peikko's lifting systems, bolt connections and rebar couplers were used in building the impressive precast dome for Flint's Imagination Lab Attraction.

MOH HOUSING PROJECT IN QATIF - KSA

Project facts

Owner: Ministry of Housing **Developer:** Tamimi Holding

Construction Company: ABR Construction, Inc. Precasters: BINA Precast, Kifah Precast, USBS

Delivery year: 2019-2020

Peikko's solutions provided: Diagonal Ties, PVL® Loops, Lifting Systems



The housing project dubbed as "Al Qatif Houses" is one of the best projects that reflects the objectives of partnership between the private sector and the Ministry of Housing. It provides suitable housing solutions to ensure a sustainable environment for the growing population and offers unique engineering and financial solutions to meet the needs of the citizens within the urban area of Qatif.

The project aims to achieve the vision of housing 2030 by obtaining the sales license on the map and financing it through housing loans. It contains 4 different models for housing units with spaces and a number of rooms suitable for all. It also includes all basic and recreational services that citizens need. It has an area of 70,225 square meters, playgrounds, three mosques, a prayer chapel, three government services buildings, four commercial market buildings and schools for all educational levels from kindergarten to secondary school for boys and girls.

SABIC HEADQUARTERS IN JUBAIL - KSA

Project facts

Owner: Saudi Basic Industries Corporation (SABIC) Construction Company: Shapoorji Pallonji Mideast LLC

Architect: Henning Larsen

Structural Engineers: Thornton Tomasetti



Delivery year: 2019 Completion year: 2020

Peikko's solution provided: ARMATA®

This huge flagship headquarters project is in the industrial city of Jubail in eastern Saudi Arabia where the Saudi Arabia Basic Industries Corporation (SABIC) has decided to consolidate their operation. The Architect is Henning Larsen from Copenhagen and the Structural Engineer is Thornton Tomasetti to deal with traffic issues, multi-storey parking layout, below ground drainage, and external works design. Al Rashed Peikko LLC supplied ARMATA® punching shear studs.

AL RASHID RESIDENCE TOWERS, AL KHOBAR - KSA

Project facts

Delivery year: 2014 – 2015

Project floors: 13

Construction Company: Al-Rashid Trading & Contracting Company (RTCC)

Precaster: Al Rashid Abetong LLC

Peikko's solutions provided: Anchor Bolts, Column Shoes



Al Rashid hotel and residential complex is located right next to Al Rashed Mall in Al Khobar. The complex is connected to the mall by a bridge. Complex has a hotel and five residential buildings connected to each other from the upper floors. The whole frame of the building is designed with Peikko column connections with a remarkable amount of HPKM® column shoes and bolts. Most of the other connections are designed with welding plate connections also manufactured by Peikko.

AMC HOSPITAL IN RIYADH - KSA

Project facts

Delivery year: 2017

Developer: Anfas Medical Care (AMC)

Construction Company: C&P Construction and Planning Co. Ltd.

Precaster: Al Rashid Abetong Ltd.

Structural Designer/Architect: Arabtech Jardaneh and Partners for Engineering Consultancy / AJ Saudi **Peikko's solutions provided:** DELTABEAM® Composite Beams, Anchor Bolts, Wall Shoes, Anchor Plates



AMC Hospital for long-term patients comprises of 2.2 kilometers of Peikko's DELTABEAM®, special fastening items, special wall shoes and anchor bolts. The 120 bed hospital is intended for patients with chronic conditions requiring extended supportive clinical care and who are currently accommodated in highly acute intervention hospitals.

LABOR ACCOMMODATION G+4 IN DUBAI - UAE

Project facts

Project size: 5500 m²

Floors: 5

Construction Company: Al Sahel Contracting

Structural Designer: e.construct / fnp

Precaster: United Precast Delivery year: 2019 Completion year: 2019

Peikko's solution provided: DELTABEAM® Composite Beams, Anchor Bolts



WATERFRONT CITY, SHARJAH, UAE

Project facts

Developer: Sharjah Oasis Real Estate Development **Construction Company:** Tech-Construction

Structural Designer: Naaga Precaster: Abu Dhabi Precast Delivery year: 2017-2018 **Completion year: 2018**

Peikko's solutions provided: DELTABEAM® Composite Beams, Anchor Bolts



Sharjah Waterfront city has been listed among largest mixed-use projects in GCC. Peikko is participating on the first phase housing project of with our Anchor Bolts and DELTABEAM® Composite Beams. Peikko's solutions were chosen thanks to our slim floor structure that enables the ceiling without any drop-down panels.

Sharjah Waterfront City will be built over 10 islands along 30 kilometers of waterfront, covering an area of 60 million square feet. The area will cover a hotel, several housing units and 24 mixed use high-rise buildings, central business district, shopping centers and other tourism facilities. DELTABEAM® is used in 149Nos 3-bedroom and 79Nos 4-bedroom villas.

ORPIC PIPE RACK, SOHAR - OMAN

Project facts
Delivery year: 2017

Developer: Oman Oil Refineries & Petroleum Industrial Complex (ORPIC)

Construction Company: CBI & CTCI / OHI Group

Precaster: RAK Precast

Peikko's solutions provided: Anchor Bolts, Column Shoes, Anchoring Couplers



The ORPIC pipe rack is for a gas export pipeline in the Sultanate of Oman. The total length of the pipe rack is 300 kilometres, and it will enable further infrastructural improvements in Oman and remarkably increase the produc-tion of fuel, naptha and propylene. Peikko's deliveries comprised of more than 25,000 pcs of HPKM® and PEC® Column Shoes, COPRA® Anchoring Couplers and more than 500 tons of customized embedded connection items.

ALBA POTLINE 6 IN MANAMA - BAHRAIN

Project facts

Developer: Aluminium Bahrain (ALBA)
Construction Company: Nass Contracting
Structural Designer: Bechtel Corporation
Precaster: Nass Contracting / Delmon Precast

Delivery year: 2017 **Completion year:** 2019

Peikko's solution provided: Column Shoes, Anchor Bolts



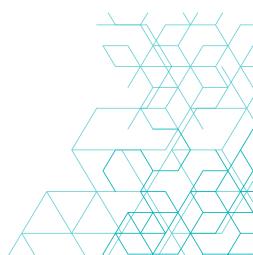
Peikko has delivered a substantial order of connection items to an expansion of an aluminium smelter plant located in Bahrain. The order comprises more than 10,000 pieces of HPKM® Column Shoes and HPM® Rebar Anchor Bolts for the plant's column connections. The current Line 6 Expansion Project will make Aluminium Bahrain the largest single site aluminium smelter in the world.

"This project is one of the biggest industrial projects in Bahrain with a strong interest from the Bahraini government. We are honored that Peikko was chosen as a supplier for this significant plant investment. Decisive for this project was the fast and safe on-site assembly of Peikko's column connections, which accelerates the frame erection phase. Also our effective software tools for the design of column connections were appreciated", states Topi Paananen, CEO of Peikko Group Corporation.

CERTIFICATES

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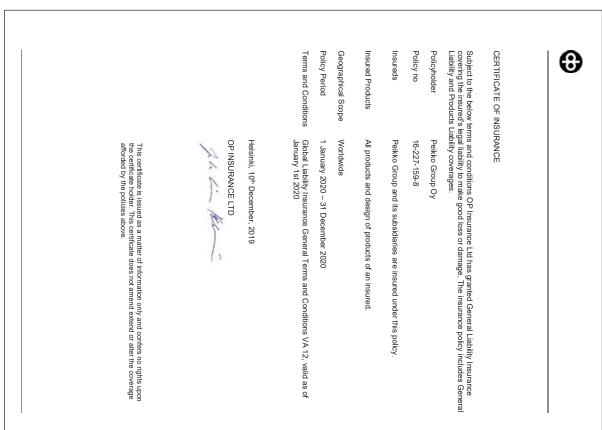


ZAKAT



SAGIA / INSURANCE CERTIFICATE





CHAMBER OF COMMERCE / INDUSTRIAL LICENSE





ترخيص استثمار صناعي Industrial Investment License

(602368) (121930093990) تاريخ الإنتها، _a 1444/07/04 2023/01/26 م

رقم المنشأة . رقم الترخيص تاريخ الإصدار 1429/07/17 هـ 2008/07/20 م



المركة الاثنسى

حالة الترخيص: تعديل اسم الترخيص

شركة الراشد بيكو المحدودة الكبان القانونى شركة ذات مسؤولية محدودة

إجمالي التمويل (20,000,000) ريال سعودي (200 فرد) عدد العمالة الدمام الموقع

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259990:أنشطة أخرى لصناعة منتجات المعادن المشكلة الأخرى غير مصنغة في مكان أخر



عنه ابراهيم بن صالح السويل تاريخ التوقيع : 1439/12/17



تاريخ الطباعة 1439/12/17 هـ المحافظ م.ابراهيم بن عبدالرحمن العمر

يمكنك التحقق من صحة وصلاحية الشهادة عبر زيارة الرابط https://eservices.sagia.gov.sa/verify على موقع الهيئة العاصة للإستثمار.

ISO 9001 QMS CERTIFICATE / ISO 14001 EMS CERTIFICATE

Re-certification Due on: 19.12.2023 Expiry Date: 18.01.2022

Second surveillance due on: 19.12.2022 Date of Issue of latest certificate: 19.01.2021 Date of Issue of Original Certificate: 19.01.2021

First surveillance due on: 19.12.2021



Corporate office(SIS):- Unit No. 312 & 514, Vipul business Park, Sohna Road, SECTOR-48, GurgAON-122018, Haryana, India.

ational office (SIS):- URB, Santa Ana Cal. German, Scheriebr 276, San Isidro, Lima, Peru us ~arun@siscertifications.us, info@siscertifications.co.in. Call--0124-4060495



CERTIFICATE OF REGISTRAT

PO Box 99 Dammam 31952 Saudi Arabia

Al Rashed Peikko L.L.C

This Certificate has been awarded to

In recognition of the organization's Management System which complies with

(Quality Management System) ISO 9001:2015

The scope of activities covered by this certificate is defined below

Product Development, Construction and Marketing of Concrete Connections, Design, Constructionand Marketing of Composite Beams and Composite Columns, Design, Construction and Marketing of Steel Structures

Certificate Number: SISBALQ01202169496

Managing Director

Note: This certificate is valid only if produced with the continuation letter after the surveillance is carried out successfully.



The Organization's desumentation and Implementation has been reviewed and found to comply with the relevant standard rules. This confidence of Redstruction is based on the resultation of the mentioned scope given above. Organization is responsible for minimizing the responsibilities of the relevant standard rules, vary significant changes in the scope of the certification or standard referred above vender this certification in the certification of standard referred above vender this certification is accepted of entities is such by SIS Certifications Pet. LLd. assectioned for size by International Accreditation Services, 3000 Saurn Street Suite 100 Beat, California 93931–1732, USA.

Issue No.: 01

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Second surveillance due on: 19.12.2022

First surveillance due on: 19.12.2021 Date of Issue of latest certificate: 19.01.2021 Date of Issue of Original Certificate: 19.01.2021

Re-certification Due on: 19.12.2023 Expiry Date: 18.01.2022 Certificate Number: SISBALE01202126134

Product Development, Construction and Marketing of Concrete Connections, Design, Constructionand Marketing of Composite Beams and Composite

Columns, Design, Construction and Marketing of Steel Structures

The scope of activities covered by this certificate is defined below

In recognition of the organization's Management System

PO Box 99 Dammam 31952 Saudi Arabia Al Rashed Peikko L.L.C

This Certificate has been awarded to

(Environmental Management System)

ISO 14001:2015 which complies with



Note: This certificate is valid only if produced with the continuation letter after the surveillance is carried out successfully.

The Organization's documentation and Implementation has been reviewed and found to comply with the relevant standard rules. This confidence of Registration is based on the realisation of the mentioned scope given shows. Organization is responsible for minimizing the responsibilities of the relevant standard rules, vary significant this certificate invalid. This is an accredicted certificate issued by SIS Certifications Pvt. Ltd. sanctioned for issue by the contributional relevant confidence issued by SIS Certifications Pvt. Ltd. sanctioned for issue by the confidence is an accredicted certificate issued by SIS Certifications Pvt. Ltd. sanctioned for issue by the confidence is the confidence in the confidence in the confidence is the confidence in the confide Corporate office(SIS);- Unit No. 312 & 514, Vipul business Park, Sohna Road, SECTOR-48, SurgAON-122018, Haryana, India.



Issue No.: 01

national office (SIS):- URB, Santa Ana Cal. German, Scheriebr 276, San Isidro, Lima, Peru I l us --arun@siscertifications.us, info@siscertifications.co.in. Call:- 0124-4060495



ISO 45001:2018 CERTIFICATE / SAUDI ELECTRICITY COMPANY VENDOR REGISTRATION



CERTIFICATE OF REGISTRATI

PO Box 99 Dammam 31952 Saudi Arabia Al Rashed Peikko L.L.C ISO 45001:2018

In recognition of the organization's Management System which complies with

(Occupational Health and Safety Management System)

Product Development, Construction and Marketing of Concrete Connections Design, Constructionand Marketing of Composite Beams and Composite Columns, Design, Construction and Marketing of Steel Structures

Re-certification Due on: 19.12.2023 Second surveillance due on: 19.12.2022 First surveillance due on: 19.12.2021 Date of Issue of latest certificate: 19.01.2021 Date of Issue of Original Certificate: 19.01.2021 Certificate Number: SISBALO01202170391

Expiry Date: 18.01.2022

Note: This certificate is valid only if produced with the continuation letter after the surveillance is carried out successfully.

The Organizator's documentation and implementation has been reviewed all comply with the relevant smader of these. This creditation of Begiveration is based evaluation of the mentioned scope given above. Organization is responsible for main the responsibilities of the relevant standard native. Any significant changes in the the responsibilities of the relevant standard network. Any significant changes in the responsibilities of the relevant standard referred. above render this certificate

office(SIS):- Unit No. 312 & 514, Vipul business Park, Sohna Road, SECTOR-48, 192018, Haryana, India.

The scope of activities covered by this certificate is defined below Applicable for Distribution Materials activity in your Commercial Registration: You must fill up the prequalification form / requirements whenever it is applicable, which is available on SEC website www.se.com.sa / procurement / MFRs' prequalification to deliver materials based on your We are pleased to inform that your commercial documents have been evaluated and your company is now registered with Saudi Electricity Company under Vendor No (2006205),

Vendors Affairs Division Purchasing Department Materials Sector

الشركة السعودية للكهرباء Saudi Electricity Company

Date: 07/01/2016 Vendor Name: AL RASHED PEIKKO LLC

This Certificate has been awarded to

E-mail 1: abdulkarim.aljarallah@peikko.com Attention: abdulkarim aljarallah

SUBJECT: VENDOR'S REGISTRATION NOTIFICATION

ö

Applicable for Generation Materials

Industrial Security Materials Applicable for

Transportation Materials Applicable for

available on SEC webpage. When you log on the system as a first time please change your password immediately through e-bidding link which

This approval should not be construed as commitment by SEC to purchase from you but when needed

SEC will invite you to bid and will be evaluated based on the established policies & procedures.

2. If the Bid is considered as a LOW VALUE you must quote through the e-bidding system. However, if the bid is a HIGH VALUE you must submit the quotation in a closed envelope and submit to reception of purchasing sections in operating area's requested the materials.

We thank you for your interest to deal with Saudi Electricity Company We would suggest that you maintain a continuous contact with Purchasing Sections in SEC operating areas

Best Regard,



Ibrahim Al-Ghamdi

Vendor Affairs and Support Division Headquarters - Grnatah Tower (A6) Office +966 (11) 8079651 Riyadh- Saudi Arabia t Division Manager wer (A6) - Gth flooi

CONTACT US

Al Rashed Peikko L.L.C. Hail Center, Office 1328 King Fahd Road Ar Rakah Al Janubiyah Al Khobar 34226 Kingdom of Saudi Arabia Tel. +966 13 834 0982 gulf@peikko.com Warehouse: Al Rashed Peikko L.L.C. Industrial City 2 Mekkah St. Dammam 34521 Kingdom of Saudi Arabia



Visit our website to find out more about our references, detailed technical information on products, a complete product catalogue, technical manuals and downloadable design software and components.

www.peikko.ae

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Al Rashed Peikko LLC is a leading supplier in the GCC countries for the innovative solutions for precast ele-ment connections, cast-in-situ accessories and com-ponents, and integrated composite beams. Al Rashed Peikko LLC is the sole representative of Peikko Group Corporation on the GCC region.

www.peikko.ae



A faster, safer, and more efficient way to design and build

A faster, safer, and more efficient way to design and build. Peikko supplies slim floor structures, wind energy applications and connection technology for precast and cast-in-situ construction. Peikko's innovative solutions make your construction process more efficient.

Company profile v. 02/2021