

PRESS RELEASE

For immediate publication!

Underground distribution solutions: Suitable for underground installation and quick access in all weather conditions

Langmatz develops townscape-congruous power supply solutions for modern marketplace design

Garmisch-Partenkirchen, 21 June 2019 – The situation in Munich is typical of many municipalities in Germany: an unobtrusive power supply was needed for the stalls on the square at Viktualienmarkt to put an end to the cable clutter that prevailed there. It is now a thing of the past. City planners throughout Germany – not only in the Bavarian capital, but also from Bayreuth to Hamburg – have opted for underground distribution systems from Langmatz. The Garmisch-Partenkirchen-based company has now developed a unique all-in-one solution for marketplace and inner-city design that satisfies the needs of today’s customers even more effectively.

In almost every municipality, there are marketplaces, fairgrounds and inner-city areas that require a stationary supply of power, not to mention piping for fresh and waste water. With a view to contemporary city planning and the preservation of heritage, cities and municipalities want these distribution stations to fit into the existing streetscape as seamlessly as possible. Langmatz has taken up the gauntlet and launched a novel solution that features a freely combinable system with various types of underground distribution system. “One major benefit of our underground distribution systems is that they cover a wide range of applications through diverse standard variants, customised electrical socket combinations, integrated components and supply media. This aside, what has impressed many of our customers is the fact that the distribution systems not only guarantee high supply availability due to their high-quality, ingenious design; we also set ourselves apart from our competitors with our patented locking system and step protection,” stresses Dieter Mitterer, Head of Sales at Langmatz. Since as far back as 2004, Langmatz has been successfully developing and manufacturing underground distribution systems, which can be installed below ground so as to remain invisible and flood-proof.

An all-in-one solution for flexible marketplace design

With this new system, Langmatz has developed a fully compatible all-in-one solution that can be even better adapted to the specific conditions of the location in question. For example, it is entirely irrelevant whether power or fresh/waste water needs to be supplied at just one point on the marketplace or at many: an optimum supply and high variability are ensured by a selection of different underground distribution systems and compact satellite distributors that can be combined as required by the situation. The cornerstone of this arrangement is the EK 880 main underground distribution frame, which protects additional outlets downstream of the network connection point. It can be used to connect the EK 800 and EK 600 distributor types: these open up a wide range of applications, including the further measurement and protection of the EK 602 compact satellite distributors. Up to 8 compact distributors can be connected to the EK 800 underground distribution system, while up to 3 can be connected to the EK 600.

An almost endless range of installation options for EK 800/EK 600 underground distribution systems

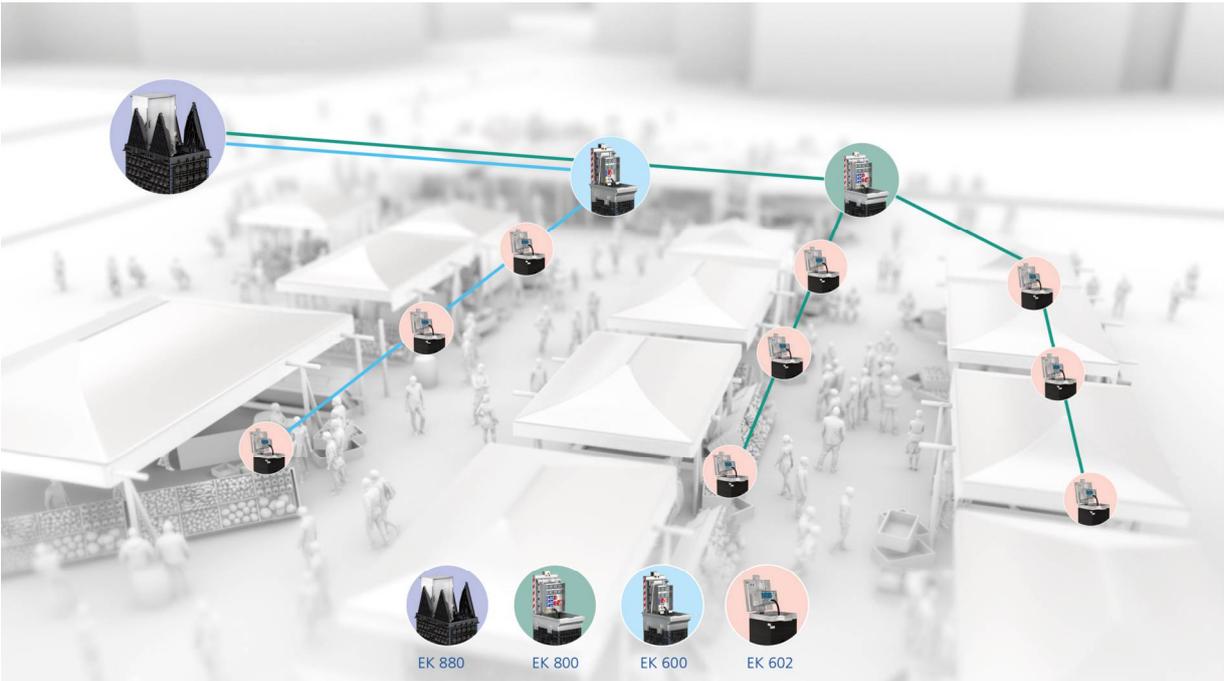
Depending on the customer's requirements, a total of 45 standard design variants are available to choose from for the EK 800 underground distribution system, while there are 21 for the EK 600. The manhole body is made of modified polycarbonate (PC), which is certified as being groundwater-compatible. Crane lugs are incorporated into the body, meaning that the latter can be lowered into the foundation pit in one piece. Placement in the ground and connection of the underground distribution system can be concluded in a single operation – no substructure is required. The perfect fit of the manhole body and the paveable stainless-steel cover is guaranteed. The cover can be opened with ease thanks to the gas pressure damper and features a safety catch that prevents it from being unintentionally closed. Further advantages include the ground-level cable outlets on the left and right for safe operation in a closed state, in addition to step protection for safe operation while open. Thought has also been given to the aesthetics: the paveable cover allows seamless and unobtrusive integration into the streetscape. The cover fulfils load class D 400 in accordance with DIN EN 124. For operation in winter, the underground distribution systems feature integrated, variable cover heating and a positive-opening function that causes any ice build-up on top to crack.

Power right where you need it: the EK 602 compact satellite distributor

The EK 602 compact distributor from Langmatz gets power to exactly where it is needed – such as at a market stall. The two different construction-height variants mean that the compact satellite distributor can even be used where there is minimal coverage. The tried-and-tested submersion

hood principle protects the equipment against flooding in this case. The distributor features a modular structure (3 x Schuko or 1 x CEE 32 A are possible), is available with or without a cable outlet and is load-resistant as per DIN EN 124/B 125. As with all underground distribution systems from Langmatz, the locking mechanism can only be opened using a special construction key.

Further information can be found here: www.langmatz.de





EK 880



EK 800



EK 602

Image captions:

Figure 01: The popular weekly market on the historical marketplace in Coburg. (Photo: Adobe Stock)

Figure 02: A flexible all-in-one solution from Langmatz for the stationary supply of power and water on marketplaces. (Photo: Langmatz)

Figure 03: An ideal supply: various Langmatz underground distribution systems can be combined as needed for the situation in question. (Photo: Langmatz)

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