

PRESS RELEASE

For immediate publication!

Light + Building 2020:

Innovative infrastructure solutions for smart cities

Langmatz unveils housings for 5G small cells, electric charging infrastructure and WLAN

Garmisch-Partenkirchen, 11 February 2020 – Cutting-edge network infrastructure that ideally combines optical fibre, mobile communications, Wi-Fi and the power supply to match is essential for smart-city applications to function. Even now, municipalities, telecommunications providers and industrial companies alike are heavily engaged in bringing smart-city concepts to fruition. Langmatz will be attending this year's Light + Building trade fair to unveil new infrastructure solutions for the expansion of 5G small cells, mobile-communication networks, Wi-Fi, and electric charging infrastructure that are tailored perfectly to this growing market demand. "In the context of 'smart cities', at Langmatz we talk about setting up and operating reliable power and data networks. With our slogan 'Expertise for the networks of today and tomorrow', we have developed innovative system solutions for these applications with components for both surface-level and underground infrastructure," explains Dieter Klasmeier, Head of Marketing at Langmatz, alluding to this year's trade-fair portfolio.

Infrastructure solutions for 5G small-cell expansion

The roll-out of the new 5G wireless standard has been ready to go since frequency bands were allocated in September 2019. The application is anticipated to be highly data-intensive. As such, a high supply density is crucial to safeguard its function in the future when expanding 5G networks, particularly in urban areas. Compact "small cells", radio cells with a range of between 20 and 200 metres are an ideal solution and perfectly complement the existing wireless network, as well as targeting and filling the gaps in coverage that exist in hard-to-reach locations. What is more, they do not intrude on town- and cityscapes, nor do they impede inhabitants' subjective well-being. Once appropriate locations have been identified, suitable housings are required for the expansion of 5G small cells. "Langmatz's portfolio includes various solutions for secure, uninterrupted energy connection, ranging from wall-mounted cabinets for the home, underground distribution systems to pole-mounted energy connections – including protection against surges and overloading," explains Klasmeier. For the connection of optical fibre, Langmatz supplies optical-fibre network distributor

(ODF) cabinets, underground distribution systems and various sizes of manholes (with optical-fibre enclosures), optical distribution and termination boxes for in-pole installation and add-on collocation modules for existing cabinets for the optical fibre connection. They are also suitable for infrastructure sharing. Designed as empty housings, all of Langmatz's surface-level and underground solutions can be expanded on a project-specific basis to meet customers' needs. This comprehensive infrastructure solution from Langmatz makes 5G-quality, high-bit-rate internet a reality quickly and economically.

Infrastructure solutions for the electric charging infrastructure

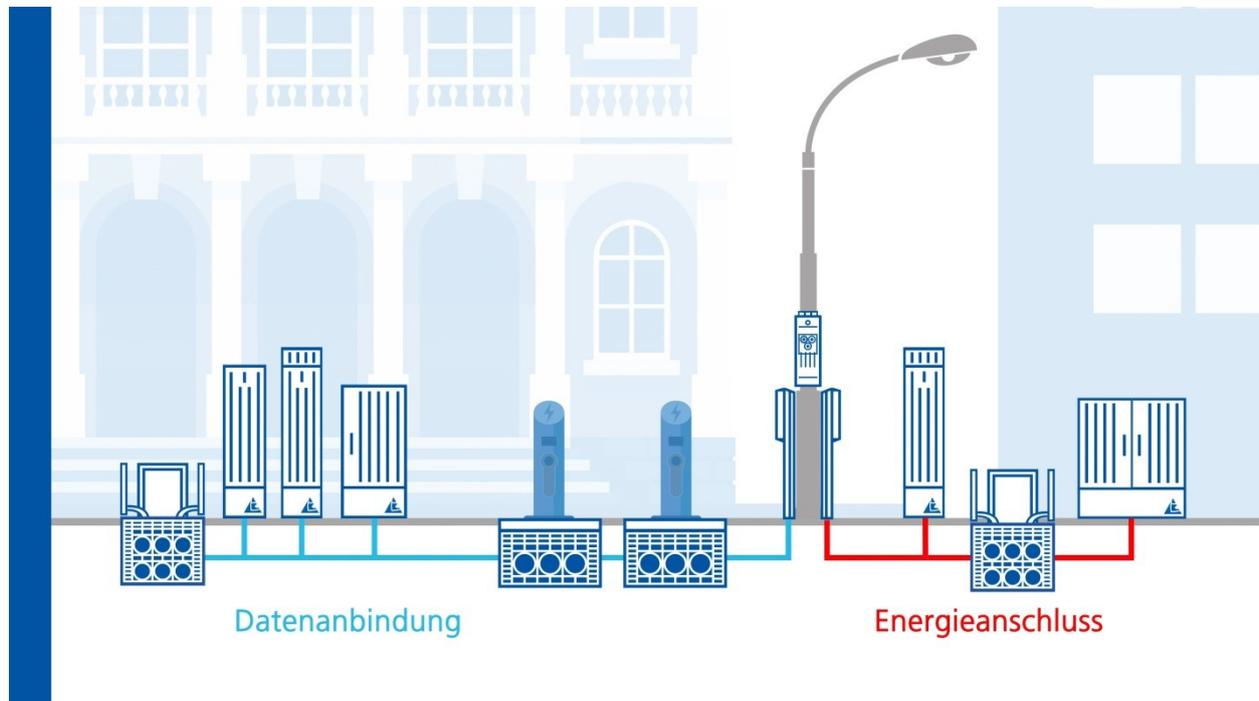
The importance of electromobility will continue to grow in the future. Companies, municipalities, network operators and service providers will therefore be on the lookout for smart concepts to expand electric charging infrastructure that also require as little space as possible, respect the preservation of heritage in urban areas, and protect the delicate technology against weather and vandalism. "Our product range includes the right housing for any application scenario: they enable a charging infrastructure to be set up promptly and economically," Klasmeier emphasises. As such, Langmatz offers a range of cabinets, cable draw manholes and underground distribution-system solutions made of high-quality polycarbonate for energy connection and distribution in commercial operations. These products are characterised by their durability, excellent weather-resistance and protection against vandalism. Langmatz's dedicated column manholes are an ideal foundation for installing charging columns or wall boxes while maintaining flexibility. And, with empty manholes from Langmatz, it is possible to expand the charging infrastructure at any time in the future without further excavation. Langmatz's tried-and-tested cabinets and space-saving underground distribution systems provide options for all requirements in terms of charging control. Energy connection and distribution incorporated into the existing pole are also specifically available for municipal applications. Langmatz supplies perfectly coordinated solutions for the expansion of commercial and municipal charging infrastructure alike.

Infrastructure solutions for Wi-Fi expansion

"These days, municipalities with one eye on the future want to offer their citizens extensive Wi-Fi coverage and fast internet. Our many years of experience also enable us to supply made-to-measure solutions for Wi-Fi expansion," adds Klasmeier. Langmatz's portfolio includes various solutions for energy connection, ranging from wall-mounted cabinets for the home and underground solutions through to pole-mounted energy connections – including protection against surges and overloading. Mr Klasmeier continues: "In terms of optical-fibre expansion, we can offer customers a wide range of optical-fibre network cabinets in a variety of sizes. And it's surely added peace of mind that Langmatz cabinets can continue to be used seamlessly in conjunction with the special add-on Wi-Fi module."

Why not see our range of solutions for yourself? Pay us a visit at Light + Building 2020: you can find us at **Stand A25 in Hall 11.0**

Further information can be found at: <https://langmatz.de/en/>



Langmatz offers innovative solutions for energy connection, energy distribution and data connection to help bring charging-infrastructure projects to fruition. (Photo: Langmatz)

Note for the editorial staff:

Did you know that innovative and visionary patents are being developed in the Alps? When innovation meets performance, smart technical system solutions are developed in telecommunications, power and traffic engineering. Headquartered in Garmisch-Partenkirchen, Germany, Langmatz GmbH is an innovative, medium-sized company specialising in plastic and metal processing. The company develops, produces and markets infrastructure components, such as manholes, underground distribution systems, signal-requesting devices, radio-ripple control receivers and components for optical-fibre expansion. Langmatz GmbH is the market leader for polycarbonate manholes.

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Data connection

Energy connection