

Modules: Description

EN



urb-x modules

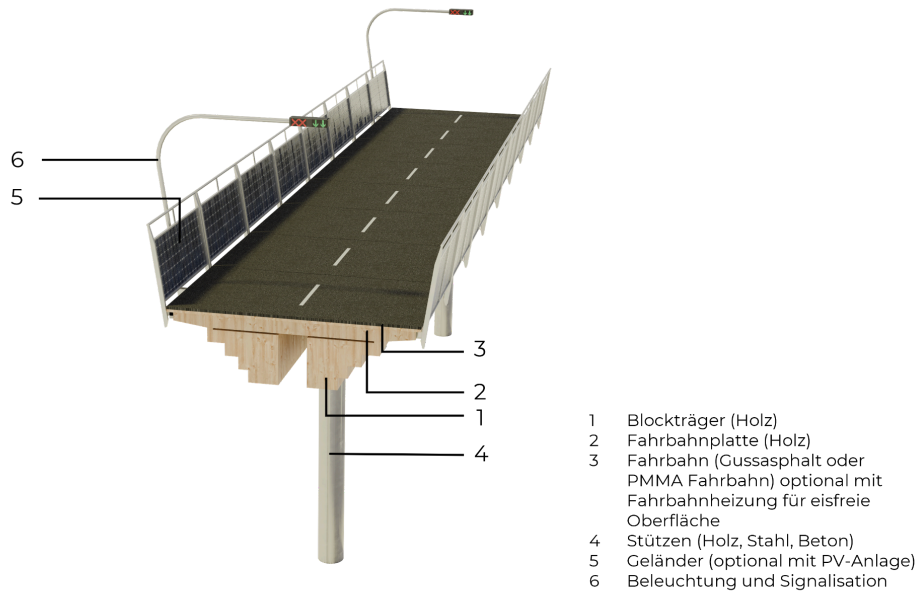


Figure: An urb-x module, comprising structure, track surface and installations (such as railings, lighting, track surface heating).

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Standard and Lightweight Versions

Standard Version

The standard version follows long established design principles by incorporating a mastic asphalt track surface. If you prefer a design that has been proven over decades, then this is the version for you.

Lightweight Version

By using an innovative anti-slip track surface optimised for cycling, costs can be reduced due to the lower overall weight and the consequent load reduction.

Timber Supporting Structure & Design

The timber structure combines sustainability with a sleek design. Modern timber constructions take into account the highest standards of structural timber protection and achieve a high level of efficiency in terms of the use of materials. The consideration of the latest best practices leads to robustness and durability comparable to any other construction method.

Track Surface

Gussasphalt / Dünnschichtbelag

Text über Standard Gussasphalt und Vorteile/Fundamentals Dünnschichtbelag, Visuals

Option: Track Surface Heating

The modules are optionally available with built-in pavement heating. This allows the track to be kept ice-free all year round. Operating costs and safety risk in winter can thus be reduced. The structure benefits greatly from the more constant temperature and the reduced use of de-icing material or grit over the entire life cycle.

Railing

The steel railing fulfils and exceeds all applicable safety standards. The design and height ensure a comfortable feeling for users.

Option: Solar Railing

As standard, it is recommended to choose the railing with integrated solar power generation. It is advisable to involve potential operators of the system in the (requirement) planning at an early stage. In order to be able to react to specific circumstances, it is also possible to supply a normal railing without solar panels.

Predictive Maintenance

Timber Protection

Damage to timber structures is caused by inappropriate planning and construction. Urb-x elements were developed for an expected service life of 100+ years and under the principle of constructive avoidance of the effects of moisture (a decisive factor for durability).

Predictive Maintenance

In order to detect changes in humidity or vibration behaviour at an early stage, urb-x elements are equipped with humidity and acceleration sensors. The system has also been designed for maximum controllability and accessibility. Thanks to timely maintenance, this leads to a longer service life and lower maintenance costs.