



Transparent construction site with Q-tainer

Data acquisition & processing in the mobile data centre on the construction site

Product description

With the aim of making our construction sites more efficient, safer and more sustainable, our "Transparent construction site" project is based on a combination of modern technologies and in-depth construction expertise.

Among other things, the transparent construction site automatically recognises which construction vehicles are in use and which routes they predominantly take, where there is a risk of collision with pedestrians and whether safety regulations such as the wearing of helmets and high-visibility waistcoats are being adhered to. In addition, bottlenecks in logistics and construction progress are monitored by analysing them with artificial intelligence in order to counteract delays as quickly as possible. By continuously collecting and linking this and other data on site, you can close safety gaps, reduce personal injury and downtime, manage resources and optimise their distribution between the various construction companies.

- On-site data collection requires a great deal of computing power for immediate calculations and large bandwidths for data transmission. One part of the service is therefore the Q-tainer mobile data centre. It is a joint development by RSRG and Datwyler IT Infra, with both sides contributing their expertise to provide a customised solution for the construction site environment.

Our services

- Integration of static and mobile sensors
- Networking the construction site
- Recording of various actual data "live" on the construction site (environment, safety, occupational safety, logistics, construction process)
- Data analyses with AI analysis and data linking
Visualisations & dashboards

Your advantages

- Data basis for process optimisation on the construction site
- Transparent services and comprehensible invoicing
- Increased understanding of the construction site (internal & external)
- Improved overview and key figures in the areas of environment, occupational safety and construction site safety
- Flexible sensor technology adapted to the construction site
- 24/7 availability of data and analyses

Contact

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