



Q Point in a Nutshell 100%

- We work for better road construction that sustainably uses existing resources
- Manufacturer-neutral digital solutions for companies along the whole value chain
- Experts in digitalized road construction
- System integrator for our customers



BHZ Baustoff Verwaltungs AG











BAB Belag AG Volketswil



BAB Belag AG Zentralschweiz



BBA Belagswerk Beringen AG



Tobega AG Neftenbach



RZO AG Recycling Züri Oberland





More than 50 years of experience in asphalt production



Reduction of carbon emissions by 52% since 2013



Recycling quote of up to 95% in the mixture





BHZ Baustoff Verwaltungs AG

- INNOVATION and sustainability thanks to research and development, energy measures, digitalization
- Resource-efficient and environmentally friendly through the reuse of reclaimed asphalt





Promotion on Website

 Information on the website with QR Code to download the free App



Easy implementation for customers of BHZ











Efficient workflow on the site with Q Site

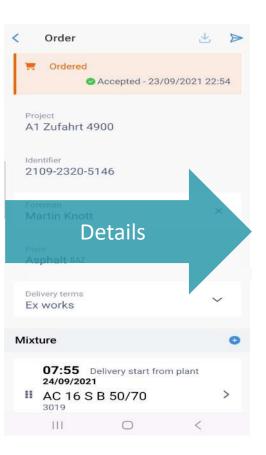
O point

Linking all participants in the value chain



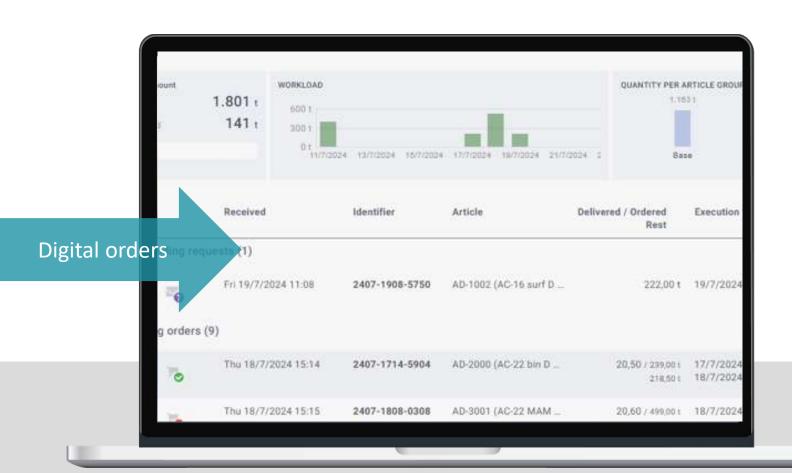








Efficient plant management at the asphalt plant with Q Plant





- Overview about the orders
- Communication with the site
- Utilization overview
- Integration of control system



Fixed orders



Production Optimization and Workload

- Information to forecast the work load and the ordered articles
- Optimization of the production program

1 day

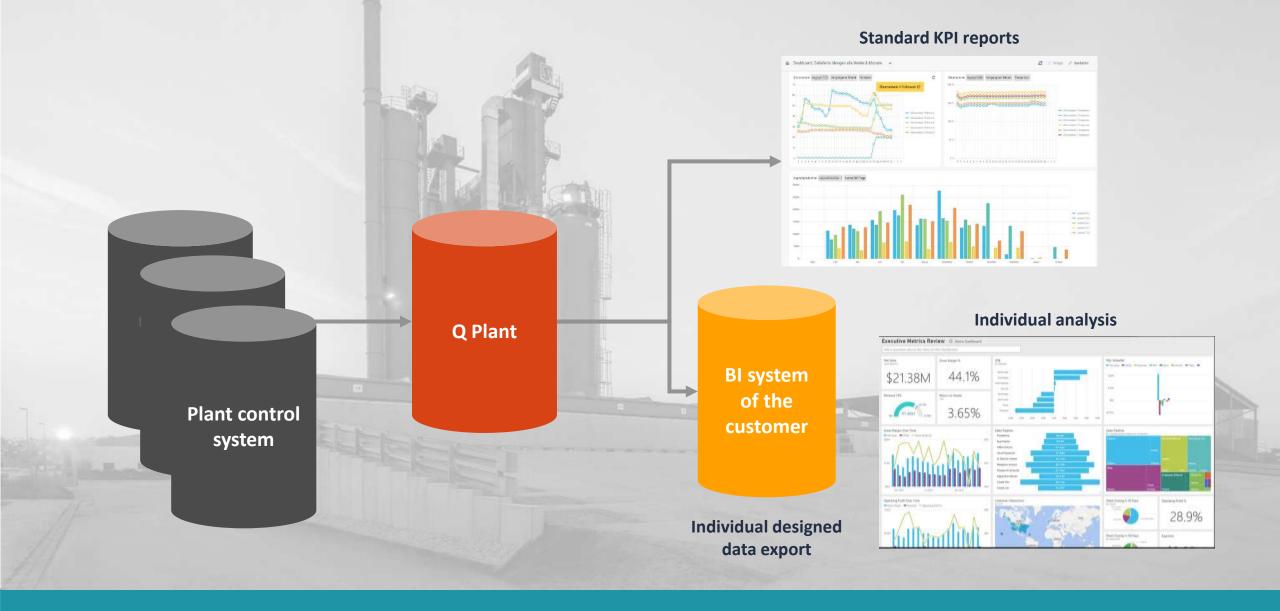
Short term

1 month

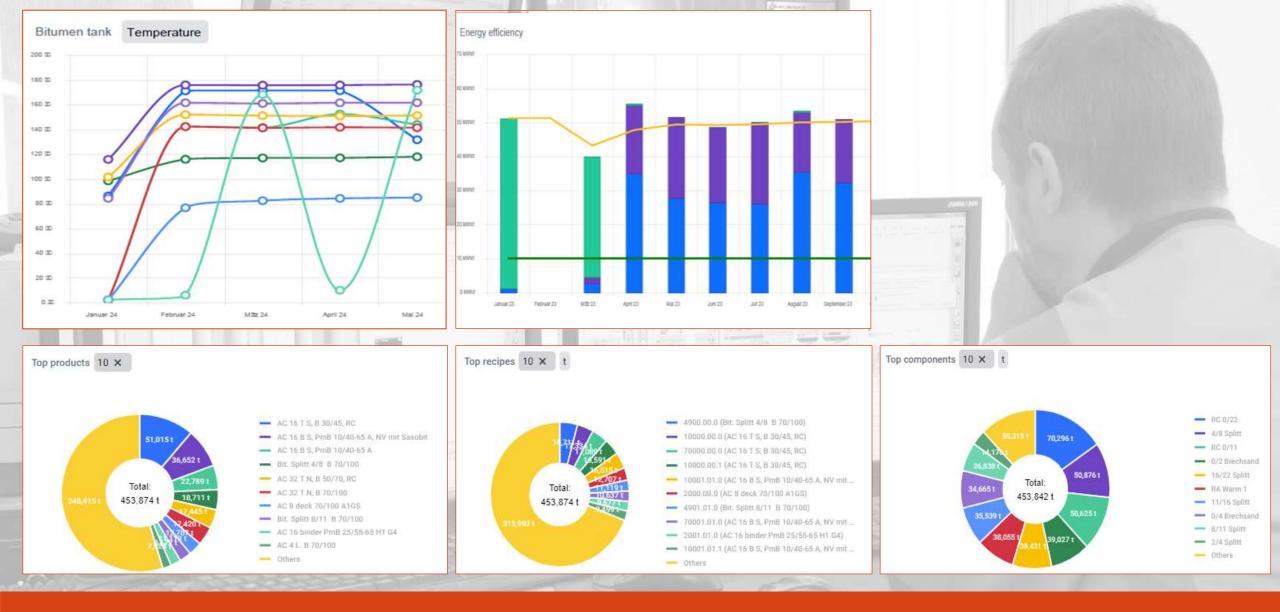
Mid term

1 week

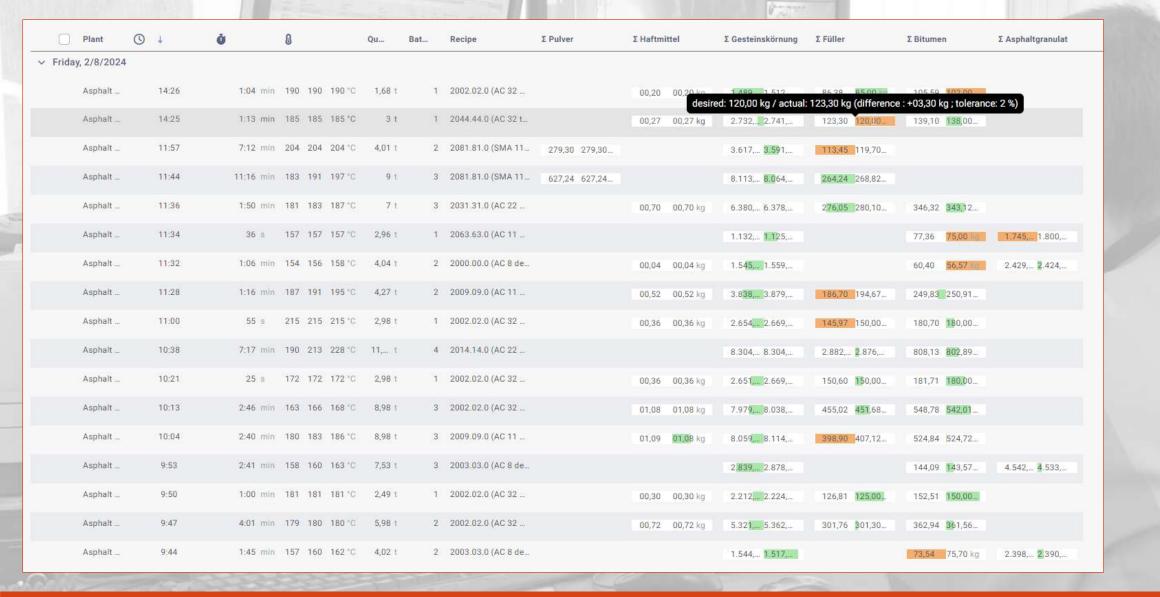
Long term



Analysis of operating and production data



Production and operation data



Analysis of batch protocols

Transport updates for Drivers

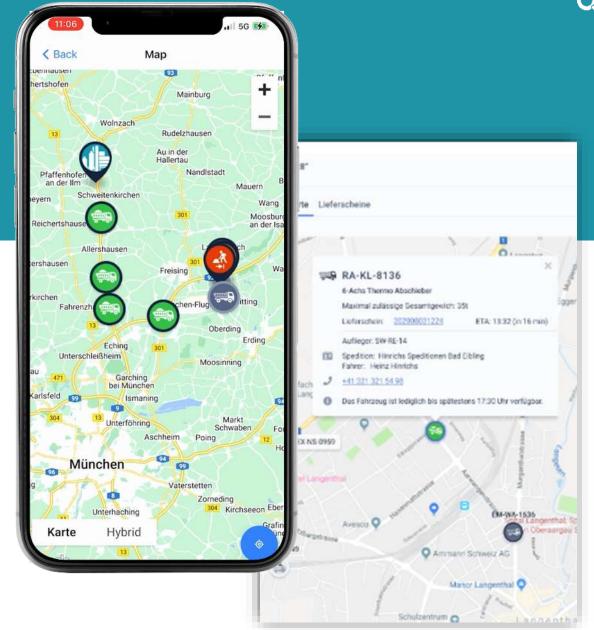
- Information for lorry driver
- Live information for site and plant

Construction

Optimal paving planning and operation

Plant

Optimal production and delivery management





Successful Partnership with BHZ

How BHZ benefit from the digital value chain

"

Having the ability to exchange information along the entire supply chain digitally ensures that everyone is on the same page. More transparency enables effective and cost-efficient processes."





Bernhard Kunz



ARGE Mid Night Force - Zurich Airport



Facts and figures

Renovation of runway 28 at Zurich Airport during operation of the airport



Statistic

- 5 Companies
- 2 Asphalt plants
- 2,500 m runway
- 67,000 tons new asphalt
- 70 Nights



Expectations

On-time construction



Documentation

- High quality
- Proof of quality



Machines

 Different types of machines

O point

Digital value chain

Planning and ordering

Different plants

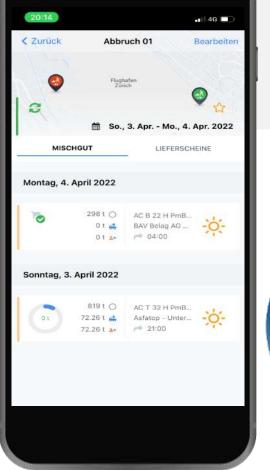
Simultanous ordering at two plants.

Different layers

Base course and binder course are ordered during the night.

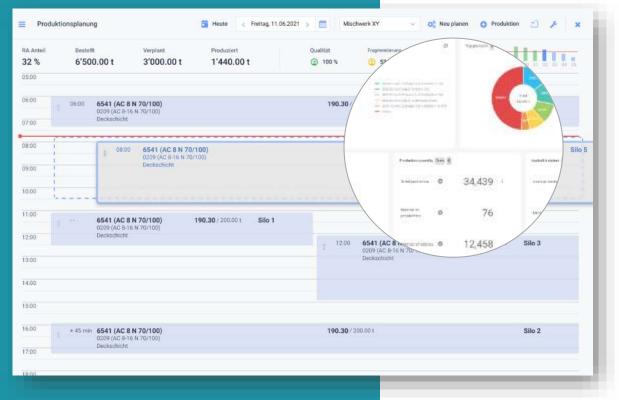








Asfatop



BAV Belag AG



Asfatop



Production planning

- Production planning in the night
- Optimal transport planning according to the progress on the construction to avoid waiting times

Continous construction process in a limited time frame!

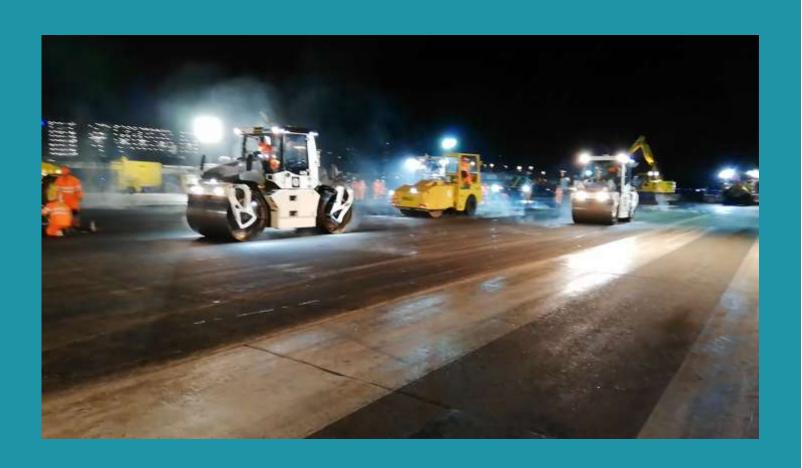


Supply chain





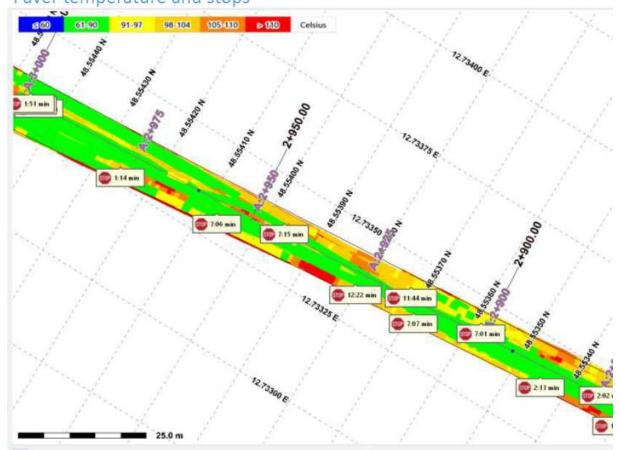
Paving and compaction





Advances analyses

Paver temperature and stops









What else can be done - Examples

Digital support for people









Planning

Easy support of small projects

Detailled planning functionalities if needed

- Quantity estimation
- Lorry planning
- Construction process planning

Simulation and optimization

Simulation of construction process and delivery planning

Optimization of transport routes

Optimization of production

Ecological footprint

Publishing of EPD values for products

Calculation of EPD values along the process

Multi-plant management

Central management of orders

Standardized statistics



A Concise Summary

The digital value chain supports the mobility of tomorrow



Sustainability

Optimised use of resources



People

Connects (young) people in their mother language to make better decisions



Quality

Increases the process quality and the quality of the asphalt pavement



Information

As-built information for the circular economy value chain.

O point

Digital asphalt industry



Digital asphalt mixing plants - Extract















Affiliated construction companies - Extract



































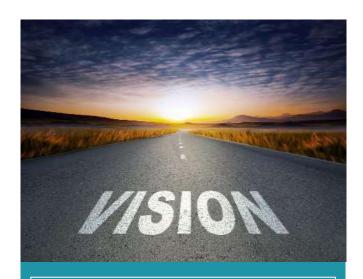






How to get there

Following the Path from Vision to Reality



Vision

A vision for a digital company!



Perseverance

Perseverance, convincing employees of the vision and implementing the solutions!



Realism

Realism that a positive transformation does not happen in one day!



Working for the future with technologies from today

Let's work together for better road construction that uses existing resources efficiently and sustainably!

