



BOSCH

Invented for life

Nexeed Data Analytics

Generating added value from production data

The production process generates large and varied volumes of data – the most important raw material of Industry 4.0. With Nexeed Data Analytics, we ensure the intelligent use of this data and draw important conclusions for optimization potentials. Data analytics helps to visualize and analyze problems and to identify previously unknown correlations.

Customers do not have to deal with data analytics themselves – this task is entirely in the hands of the Bosch experts. They integrate predictive models into the existing IT environment to be applied to real-time data. Our interdisciplinary teams draw on extensive experience at Bosch plants for every analytics project and enable us to combine our

long-term production know-how with comprehensive software and data expertise.

From initial data analysis to comprehensive predictive models, Nexeed Data Analytics provides individualized services. We combine the right methods for the optimal solution. Especially in very complex analyses, process relations or optimizations that go beyond the boundaries of the process chain: Nexeed Data Analytics make it possible today to implement the standards of tomorrow.



Extensive expertise:

From production to data analysis



Future-oriented analyses:

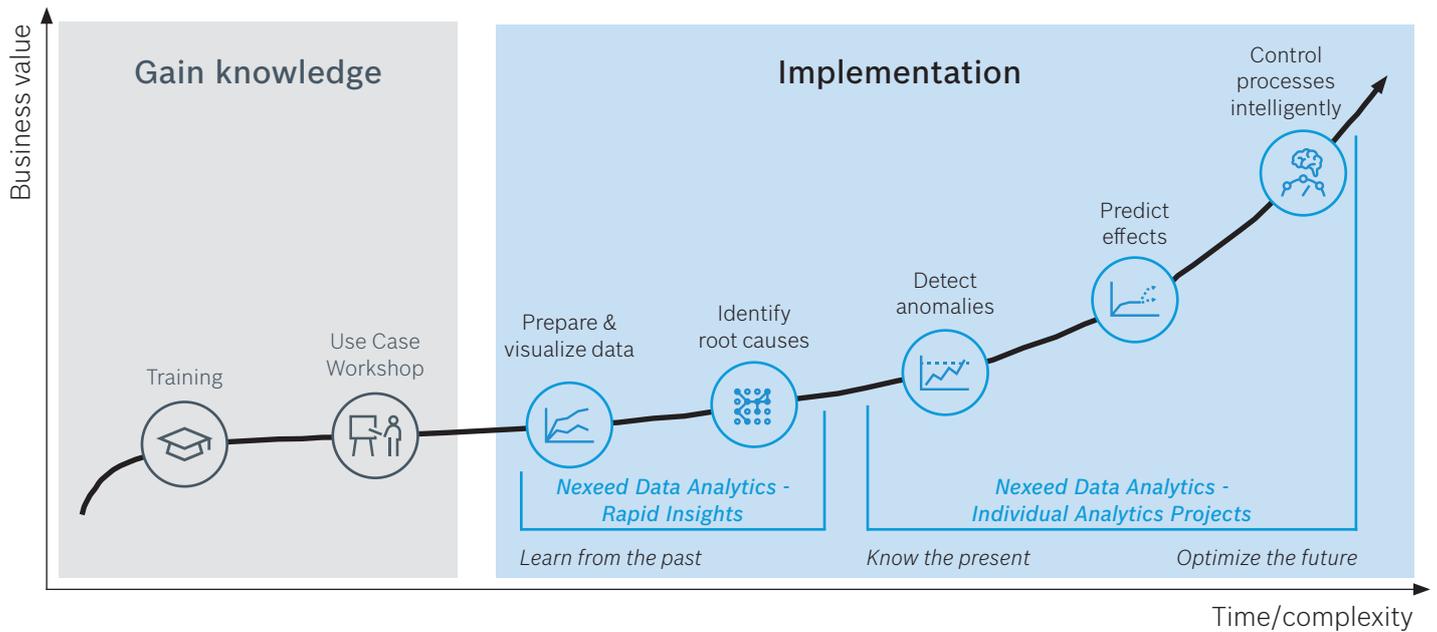
Much more than a standard solution



Everything from a single source:

From basic knowledge to concrete implementation

Nexeed Data Analytics - range of services



Knowledge building: The connection of production and logistics changes business processes and models faster than ever. With our basic training and workshops, we accompany this transformation and support sustainable knowledge building.

Implementation: An agile, step-by-step approach is at the center of our projects. After the feasibility analysis, we identify the appropriate method and solution for each specific use case – and make sure they are implemented.

Nexeed Data Analytics - Rapid Insights: Depending on the number of data sources to be analyzed, we offer different fixed-price packages. For customer-specific projects **Nexeed Data Analytics - Individual Analytics Projects** is the right choice. We ensure an easy introduction to data analytics, as well as quick, concrete improvements of quality, costs and delivery performance.

Nexeed Data Analytics in action



Up to 40 percent higher product quality

Wire manufacturing involves around 60 chemical, thermal and mechanical process steps. Thousands of different parameters can influence the quality of the end product. In a value stream analysis based on data analytics methods, the data and production experts identified optimization potentials. By revealing previously unknown correlations, they were able to increase product quality by up to 40%.



1.000 euros cost savings per day

The series production of particle sensors yielded sensor elements with a fluctuating quality of a certain sensor coating. Comprehensive, analytical analysis not only helped to bring an unexpected cause to light – it also uncovered a case of pseudo-rejects. This side effect alone resulted in an amortization of the analysis costs in just a single week thanks to savings of around 1,000 euros per day.

Contact

Robert Bosch Manufacturing Solutions GmbH

Bosch Connected Industry
Postfach 30 02 20
70442 Stuttgart, Germany

+49 711 811 – 0
Industry4.0.bci@de.bosch.com
www.bosch-connected-industry.com/nexeed-da