



### The challenge

The growing flexibility in production, the ever smaller batch sizes and the increasingly wider production mixes are today's requirements for production processes in the steel industry.

Besides these factors, the continuing further development of automation technology is an indispensable requirement to stay competitive and to support the staff in production with the latest available automation solutions.

Combining of the automation system with an intelligent database software is the link between the plant engineering, technology know-how and operation. It provides intelligent connectivity and systematic networking of knowledge and data thus setting a new standard in plant automation.

### The SMS group solution

X-Pact® Quicksetting is an intelligent setting system developed by SMS group for HF tube welding lines. It reduces change-over and setting times in welded tube plants and thus increases **productivity**. At the same time, product **quality** can be reproduced and continuously improved by means of database-supported plant settings.

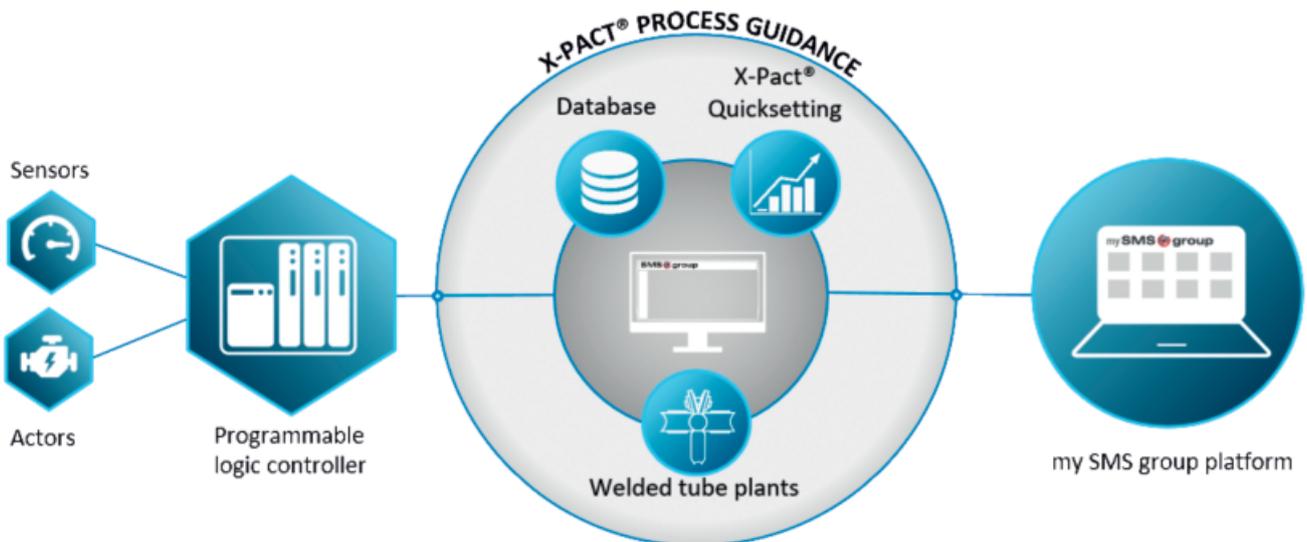
The system fulfills the current requirements for high **flexibility** in production with ever smaller batch sizes and wider production mixes.

With X-Pact® Quicksetting, SMS group already supplies the standard parameters for the desired portfolio with the system itself. The data record can then be gradually supplemented to include the plant owner's customized settings.

#### Key features

- Higher productivity with quick-change system incl. X-Pact® Quicksetting
- Optimized processes, process-oriented, ergonomic and simple operation
- Setting of technological suitable setup values for the product
- Reproducibility and reliability of system settings
- Systematical cross-linking of knowledge and data
- Extensibility of the system by adding further modules and applications

As part of X-Pact® Process Guidance, X-Pact® Quicksetting easily allows you to get the best out of your plant: The intuitive user interface of the intelligent, database-supported software is used by the operator to set the desired tube format and transfer it to the plant – the corresponding settings are then executed automatically. The settings can be easily stored to achieve reproducible results. In this way, tubes with the same parameters and quality can be reliably reproduced later.



X-Pact® Quicksetting as a module of X-Pact® Process Guidance

## X-Pact® Process Guidance

The first platform taking account of the increasing degree of automation, with full transparency on all plant data and specific dialogs for various categories of users.



**OPTIMISED PROCESSES**



With the X-Pact® Quicksetting roll management module, the planning of ideal configuration and the required rolls for the subsequent tube format while production is underway.

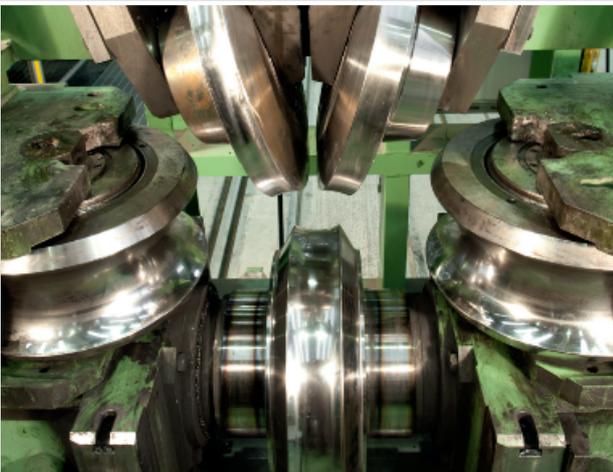
Everything is ready and in place before the size change. In this way, tube producers can minimize changing times measurably.

**STATE-OF-THE-ART WEB-BASED USER INTERFACE**



*simply operation*

Accessing the user interface by a web browser is the most versatile and future-proof solution. Based on the specified setting, the database provides the relevant setting data and passes it on to the operator panels on the plant. The PLC system then positions the rolls auto-matically. The language of the user interface can be selected and translations can be introduced on the fly.



**EVER INCREASING KNOW-HOW**



*process know-how*

Based on SMS group's know-how of forming processes, the system can be used to create different variants within one product family. Once the product quality has been approved, the operator uploads the settings to the product database. In this way, data sets for new sizes can be created and optimized on the basis of similar product settings. The longer the plant is in operation, the greater the stock of optimized setting data.

**FORWARD-THINKING AND RELIABLE**



*intelligent production*

The system also takes roll redressing into account and automatically corrects the positions and speeds according to the current roll diameters loaded into the system.



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