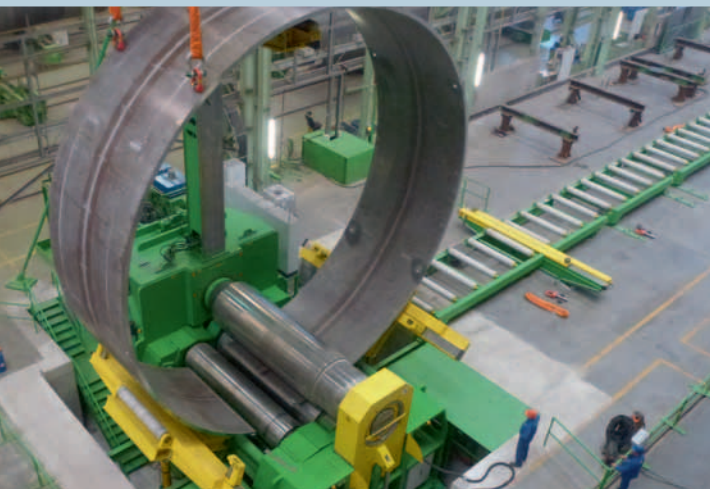


# HAEUSLER

the forming factory



## Wind

The solution for the production of  
Towers, Piles and Jackets

## We at HAEUSLER

HAEUSLER is one of the world's leading companies in the field of metal forming. With more than 80 years of experience we have always been and still are pioneers in developing innovative machines. What once started as a small lock smith's shop in 1936 is now a successful, future-oriented family business in the field of metal bending, forming and general assembly technologies. Our goal is to provide our customers with first class one-off machines, innovative custom solutions and entire highly efficient production lines. All designed and manufactured by HAEUSLER.



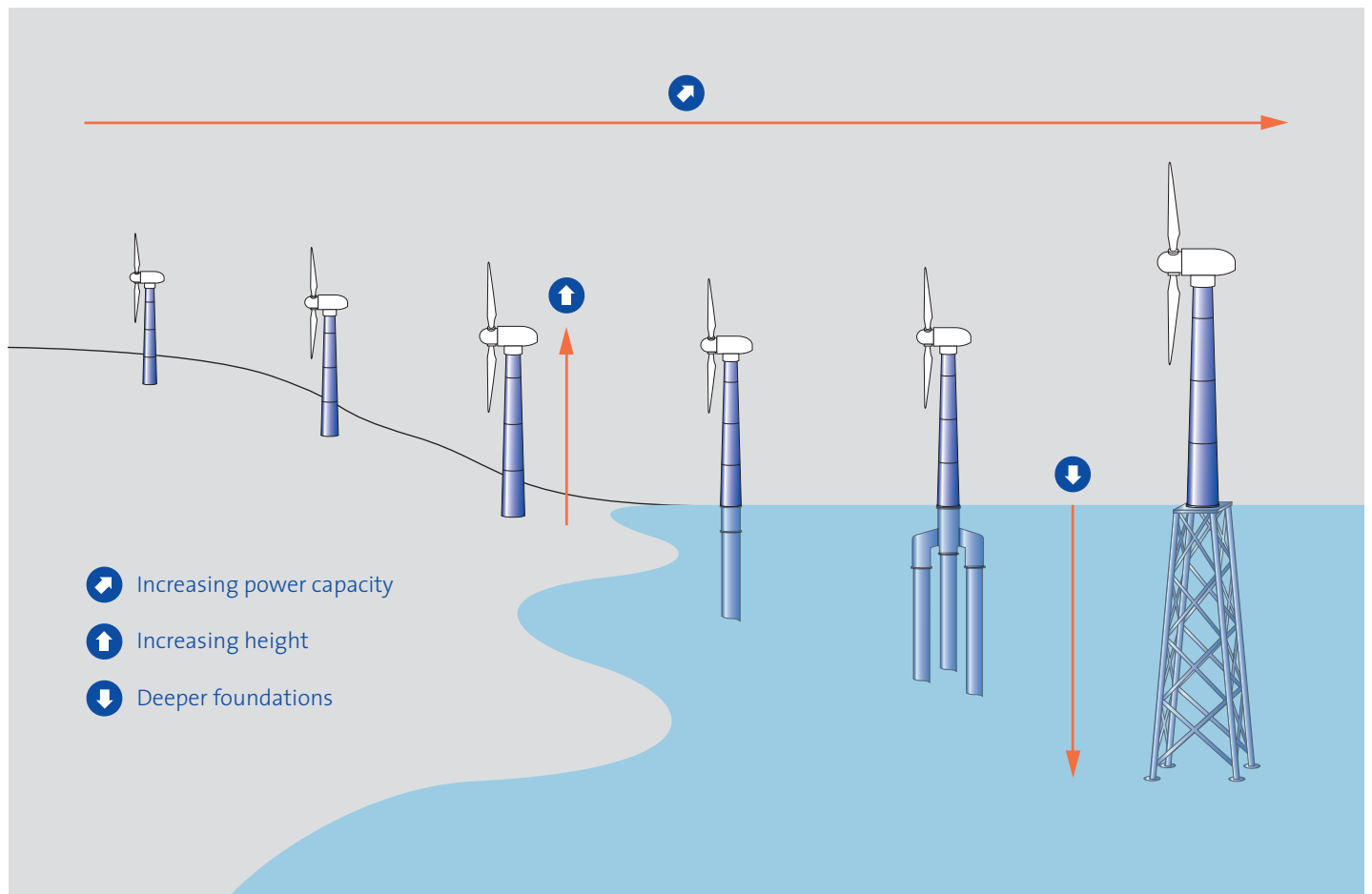
HAEUSLER Main Office in Duggingen, Switzerland



## Ready now and in future

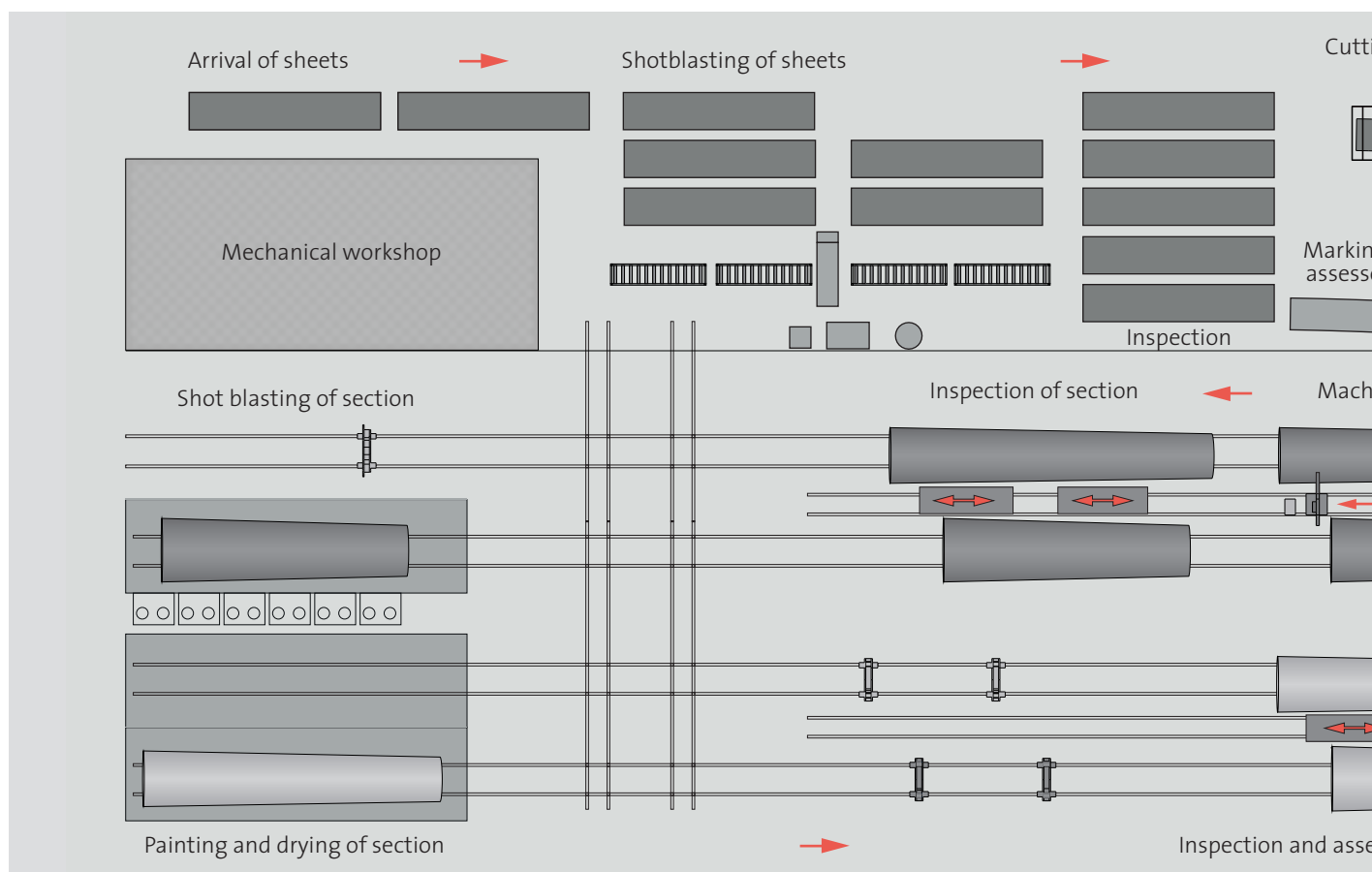
We provide flexible production facilities to cover all kind of wind mill projects, independent from the design of tower or its foundation. With the Haeusler plant you will be able to cover all present and upcoming wind farm projects to produce the towers, piles or jackets on the highest quality and economical costs.

As a general contractor for the production of wind mill parts, HAEUSLER offers all key machines and integrate them into a smart and functional plant. Beside the hardware production HAEUSLER offers a wide range of supplementary services for successful completion of your project and the long-term operation of your production plant.



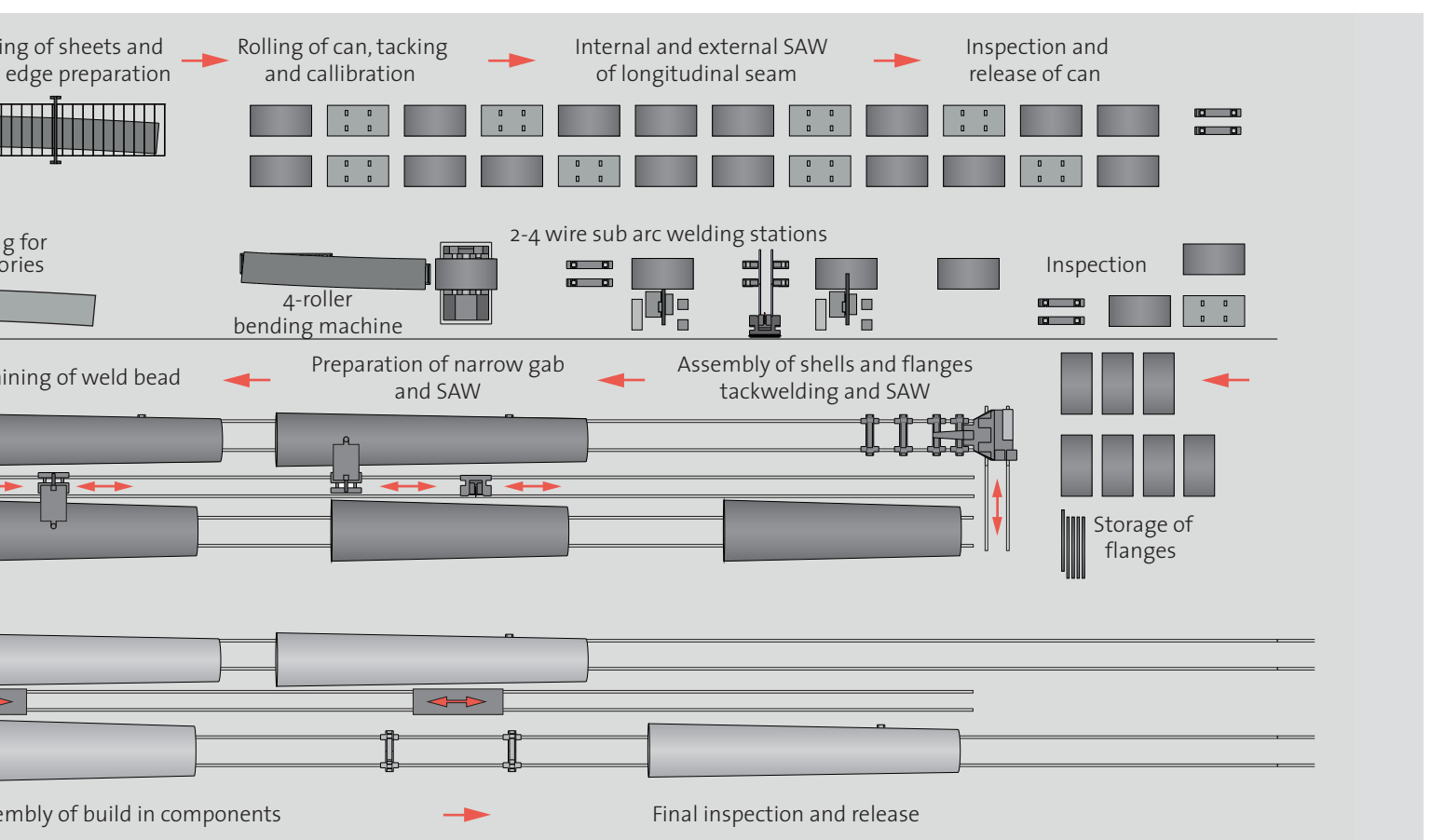
## From sheet to section with HAEUSLER

Working closely with our customers, we are developing tailored solutions for individual requirements. The production output and the quality standard which needs to be achieved are the key factors defining the final structure and workflow of the individual production steps. To merge the different production steps into a well-coordinated, sustainable, economical and long lasting production line is the core competence of HAEUSLER's plant engineers.



### The benefit of HAEUSLER project management

- To work with only one contract partner makes the execution and project supervision for you lean and easy. You can concentrate on your core business.
- Based on our more than 80 years' experience in international projects and partnerships with premium producers, you will get a plant according latest state of the art, to fair commercial conditions.
- During the project the whole responsibility of success is with HAEUSLER. In no event there will be a lack of responsibility due to unclear interfaces in between the single stations. You do not buy equipment you purchase a complete solution.



## HAEUSLER's supplementary services

### Engineering

- Plant engineering
- Civil engineering documents
- Basic engineering for grounding
- Basic engineering for all media networks like water, air, power, cooling systems and technical gases

### Accessories

- Maintenance workshop
- Spare parts logistics
- Consumables
- Transport and lifting equipment

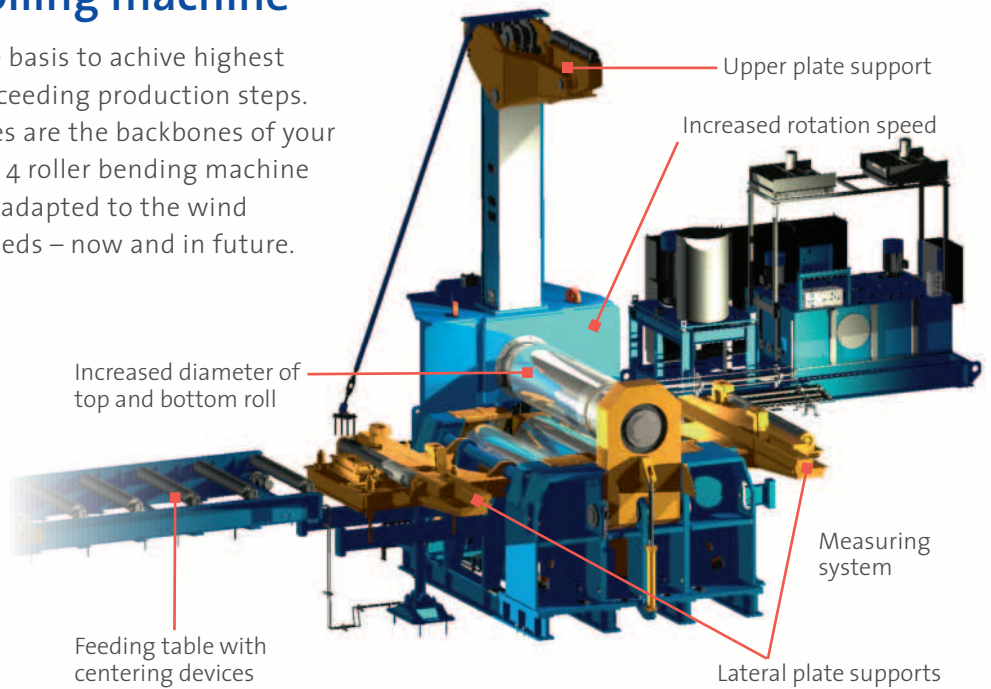
### Services

- Site management and installation
- Training
- Production support
- Repair services
- Plant modernisation

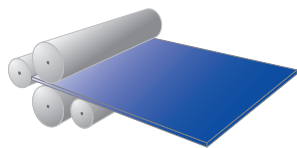
## Using the best Rolling machine

Excellent formed cans are the basis to achieve highest quality and output for all succeeding production steps. Therefore the rolling machines are the backbones of your plant. The advanced Haeusler 4 roller bending machine with its accessories, specially adapted to the wind industry, will cover all your needs – now and in future.

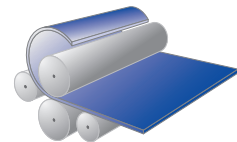
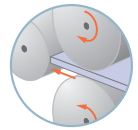
Only HAEUSLER provides a special “Offshore-Package” to handle heavy cans of 100 t and more.



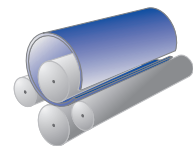
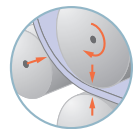
### Advantages of the 4-Roller Plate Bending Machine



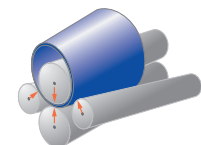
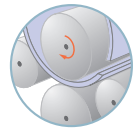
- Easy plate alignment using one of the side rolls as a stopper



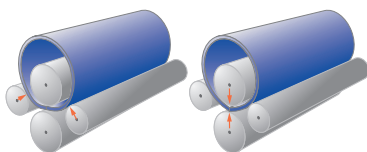
- Guaranteed rotation traction on work piece even for very thin sheets



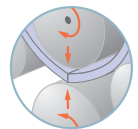
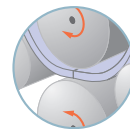
- Easy plate and precise edge handling allows for work piece tack welding on the machine



- Easy cone rolling and cone pressing using angled side roll positions and cone bending accessories



- Very good calibrating capability for apple- or pear-shaped work pieces

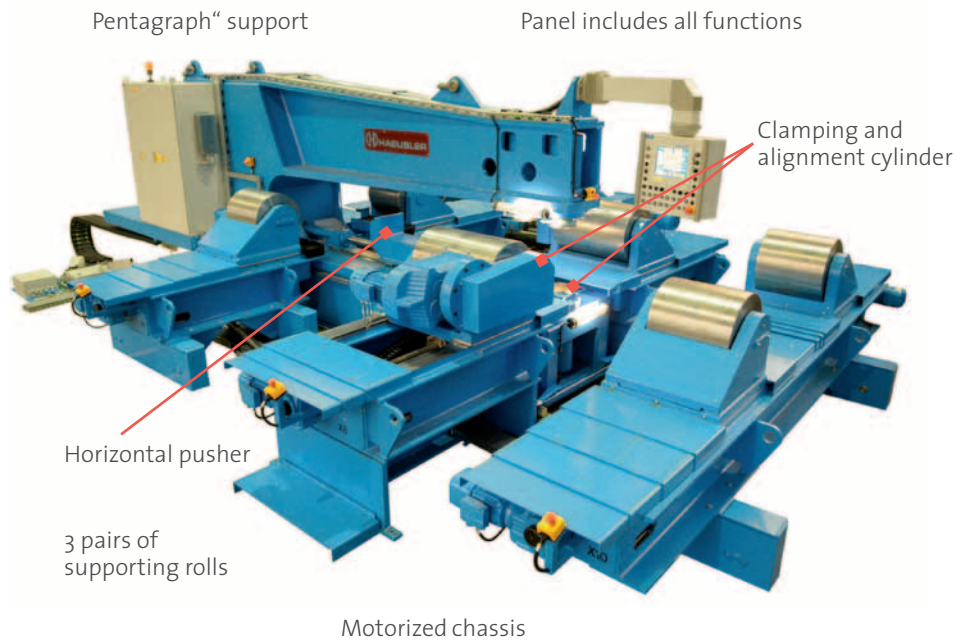




## Fast assembling and reliable welding

Since high output and low cost per unit are the key for production in the wind industry, the HAEUSLER Crocodile is a mandatory part for all plants which go for high quality within variable production program.

The crocodile is a universal soldier for assembly and welding within your production and will assure you high output by optimum product quality.



### Possible tasks to be covered by the crocodile system in the growing line

#### Crocodile Standards

Aligning of shell to shell and shell to flange to support manual tack welding from outside.

#### Crocodile with manual GMA equipment

Aligning of shell to shell and shell to flange to support manual tack welding from inside.

#### Crocodile with automatic GMA equipment

Aligning of shell to shell and shell to flange by automatically continuously tack welding from inside.

#### Crocodile with SAW equipment

Aligning of shell to shell and shell to flange to support manual tack welding from inside or outside. After Tacking the internal SAW circle welding take place in same position.

#### Crocodile with twin SAW equipment

Aligning of shell to shell and shell to flange to support manual tack welding from outside or outside. After Tacking the simultaneously internal SAW circle welding of two seams take place in same position.

Beside the different accessories the crocodile could be executed as lateral traveling unit allow you to serve 2 growing lines with one system.



# HAEUSLER

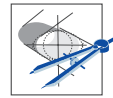
the forming factory



PLATE BENDING



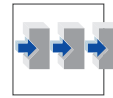
PROFILE BENDING



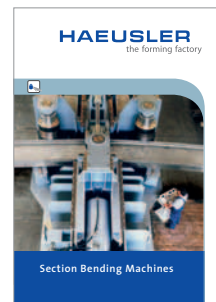
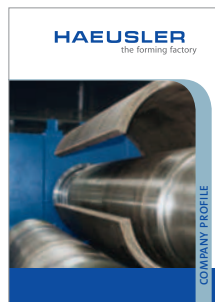
SPECIAL FORMING



ASSEMBLING EQUIPMENT



PRODUCTION LINES



## HEAD OFFICE

HAEUSLER AG Duggingen  
Baselstraße 21  
4202 Duggingen  
Switzerland

## CONTACT

Telephone +41 61 755 22 22  
Fax +41 61 755 22 00  
sales@haeusler.com  
www.haeusler.com