

# WINDMILL



Winoa actively supports the wind energy industry working with wind mill manufacturers to achieve long lasting corrosion protection of the towers and participate to reduce manufacturing costs of different key components.

## By working with Winoa, you benefit from:

### W Abrasives™ 100% recyclable blasting products:

- High cleaning rate and low consumption for unparalleled performance and cost-effectiveness
- Lowest conductivity steel media on the market for minimal surface contamination
- Optimized surface profile solutions for improved coating adhesion
- Premium product range for process simplification, rapidity, and effectiveness

### W Care™ personalized service team:

- Improved blasting efficiency through consulting and training support
- Equipment in continuous operation thanks to maintenance teams

### W Tech™ specialized surface preparation tools:

- Continuous control of the quality of cleanliness
- Reduction of shot blasting hours
- Trust in production teams

## Applications



Towers



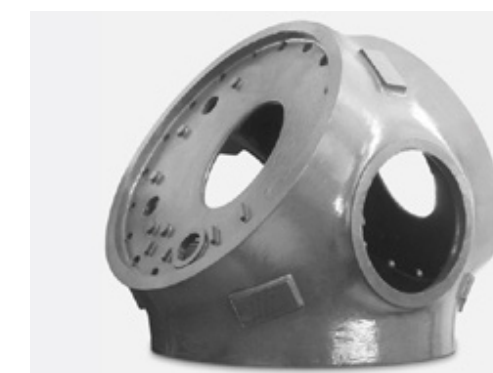
Gearbox



Main frame



Main Shaft

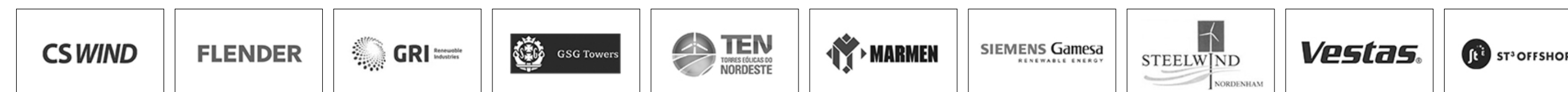


Rotor Hub



Rotor Bearing

## References



# WINDMILL

## W Abrasives

### Profilium

#### Ready-to-use operating mix for surface preparation in air-blasting

Profilium is a high performance alternative to expendable or even standard metallic abrasives commonly used in surface preparation for the wind turbines both in terms of efficiency and surface quality. It offers increased performance while significantly reducing dust for the blaster.

### SP Shot

#### Cast steel shot for Peening and Peen Forming

SP SHOT is a cast steel shot for peening or peen forming operations, designed to meet the strict requirements of aerospace and military industries (AMS standards, as well as many other proprietary specifications).

### Stainium

#### Premium product for descaling operations in wheel-blasting

STAINIUM® is specially developed for descaling applications when little roughness is required at the end of

the process. Specially available in fine grades, STAINIUM® provides a more stable operating mix.

### W Shot & Grit

#### Angular Steel Grit

A cast steel angular grit is produced by crushing specially heat treated oversize shot pellets. It is utilised for blast cleaning or surface preparation.

#### Round Steel Shot

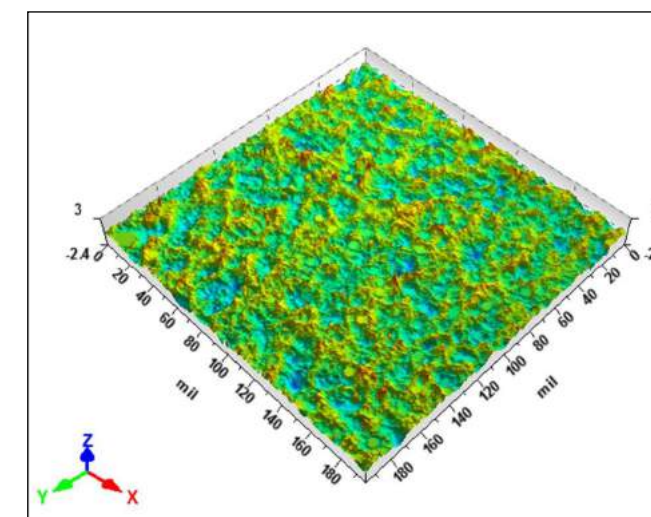
Quenched and tempered, it is a spherical product of hypereutectoid steel ( $C \geq 0,85\%$ ). Perfectly controlled heat treatments provide it with optimum resilience and resistance to fatigue. This type of shot is used in all applications where the desired effect is for mass and maximum bounce as well as for shot peening.

## W Tech



### WA Clean

Unique cleanliness measurement tool to optimize blasting costs – ISO Certified



### WA 3D

3 dimensional roughness analysis to follow-up on quality and finish operations

## W Care

### Consulting

We team up with you to offer customized advice to improve blasting parameters. We audit your process and equipment to propose adapted solutions.

### Testing

Whether it is for a new process or solve a specific problem our expertise is at your service to find the right solution without disrupting your production line.

### Training

We help you to increase your knowledge on blasting processes and operations through on-site and practical trainings tailor made according to your needs.

### Optimization

Through operational, mechanical checks of your systems and results measurement on your products, we help you increase your efficiency while reducing your costs.

### Maintenance

We maintain, repair and service your equipment with scheduled interventions. Our services also include parts replacements and annual service contracts.