

Enhancing Infrastructure



Refining ←

Waste to Energy ←

Pulp and Paper ←

Fossil Power ←

Chemical Processing ←

Industrial Processing ←



AZZ WSI® Enhancing Infrastructure

We are a worldwide leader in developing and delivering specialized maintenance through automatic weld repair solutions that extend the lifetime and maximize the value of assets within the Energy Industry. With European headquarters in Hellevoetsluis, The Netherlands, we are dedicated to providing safe, efficient and timely services to our customers. We understand the complexity and technical demands of this vital market with knowledge and expertise gained over 30 years. We work closely with our customers, helping them to anticipate and react to challenges quick, and providing tailored solutions that precisely match their requirements.

Production facility in Radom

Full-service repair and upgrade solutions provider

	Safe work environment		24/7 manufacturing capabilities
	Repair and upgrade against corrosion/erosion		Full-time specialized workforce
	Structural repair and reinforcement		Qualified QA programs
	Engineering (tooling design, FEA, mock-up)		Specialized welding solutions

Our values

We are a service-driven organization where people and values constitute who we are as a company. The way we do business is driven by five core values that represent the essence of our organization. These values are reflected in our culture, aspirations and service, which underpin our interactions and decisions with our employees, customers, and suppliers.

Safety

We instill a discipline of safety throughout the organization. We leverage technology in our daily operations to reduce occupational risk.

Innovation

We are dedicated to helping customers succeed in their targets, using our intellectual capital and technology to create service solutions that generate positive business results.

Operate with integrity

We conduct our business fairly, honestly and transparently, with respect for the dignity, rights and contributions of all stakeholders.

Operational excellence

We constantly strive to achieve the highest possible standards in our day-to-day work and in the quality of services that we provide.

Reliable

As trusted industry experts, we are world-renowned for providing services and solutions our customers can rely on.



Whether it is structural repair and upgrade, corrosion/erosion protection, specialized welding solutions or engineering support, we make it our goal to provide innovative, value-added services that match the requirements of the customers we serve. Both in the field and in our production facility.

Challenges

Energy companies are under tremendous pressure to meet the growing needs of business and consumers. Strong competition from new markets and increasing output from existing plants, combined with the pressure to minimize downtime and comply with new stringent regulations, drives continuous improvements in operational efficiencies. This results in our customers being forced to find new ways to maintain ageing equipment that is often cost prohibitive to replace.

AZZWSI delivers fast, efficient and cost-effective maintenance and repair solutions that reduce downtime and extend service life.

Full-service repair and upgrade solutions provider

- We upgrade assets and protect against corrosion and erosion utilizing proprietary weld overlay technology.
- We offer structural repair of components and reinforce assets to extend their operational lifespan.
- We provide specialized welding solutions for challenging materials, locations, geometries and environments.
- We offer engineering support that includes tooling design, metallurgical consultation, Finite Element Analysis (FEA), welding process design, and mock-up capabilities.
- We provide 24/7 manufacturing capability and qualification environment via our production facility.
- We deliver all our services in accordance with our qualified QA programs for production and field fulfillment.

Field



Automated weld overlay



Structural reinforcement



Orbital welding



Waterwall overlay



Nozzle overlay

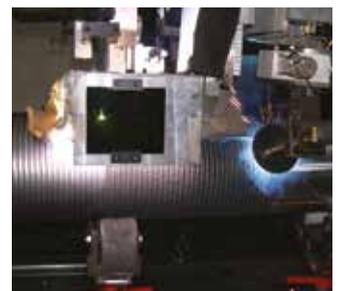


Engineering

Shop



Panel overlay



Tube 360/collector overlay

Operations

Harsh operating environments, combined with pressures to reduce the environmental impact of production, can accelerate the corrosion and erosion of process equipment, and critical boiler, drum and vessel components. This can lead to failures that compromise the reliability of the asset and the safe operation of the plant.



Spheres and domes



Orbital tube welding

Structural repairs and upgrades are needed to safeguard asset integrity and enable plants to run at optimal efficiency. We lead in the enhancement and mechanical life extension of a wide variety of critical process components. Our primary focus is on providing permanent repair solutions that solve the root of the problem, instead of replacing prematurely aged components. We utilize automated welding technology to structurally repair, upgrade and reinforce the asset. All these services are delivered by our highly trained, specialized, full-time workforce.

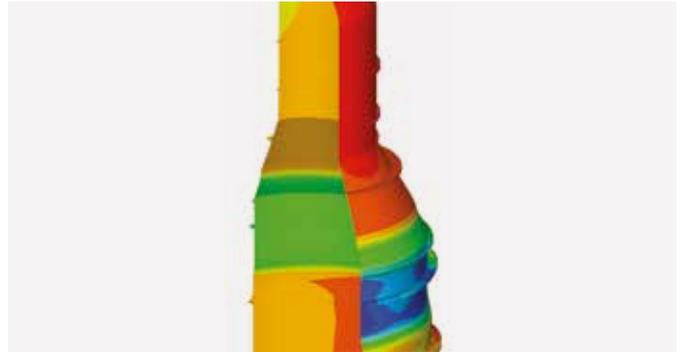
Whatever the location, material and size of the asset we can provide 24/7 consulting support on site, as well as in our production facility.

With the highest quality provided by the automated welding technology and engineered solutions, combined with the highly specialized skills of our craftsmen, we safeguard the reliability, extend the operating lifespan, and enhance the performance of our customers' assets.

We are certified to ASME and EN standards.

Engineering

Engineering support has been integral to our success throughout our history. It is our goal to offer innovative, value-added solutions that match the requirements of the customers we serve. We accomplish this through the design and build of special tooling for complex configurations and repairs, support with metallurgical failure analysis, and the development of welding processes.



FEA



Mock-up

We strive to determine the optimal technical solutions for our customers, keeping in mind the requirements for safety, project schedules and quality. We apply the same high level of detail to everything we do, whether we are performing an FEA to predict and minimize the distortion associated with our welding process or demonstrating an innovative process by means of a mock-up.

Our long history has given us unrivaled insight into the unique challenges and demands of the energy industry. We protect a wide variety of assets around the globe with time-proven services and solutions that are tailored to individual requirements.

Our locations



Markets served

We serve customers in the most demanding and challenging markets.

- Refining
- Waste to energy
- Pulp and paper
- Fossil power
- Chemical processing
- Industrial processing
- Nuclear power

Projects executed in over 50 countries worldwide

A global organization

We have the scale and resources to deliver outstanding support, with projects executed in over 50 countries. Our market reach is matched by the self-supporting and flexible way we operate. No matter where your asset is situated, we can mobilize quickly so you can be assured of the most urgent and comprehensive response to meet your requirements.

Global availability



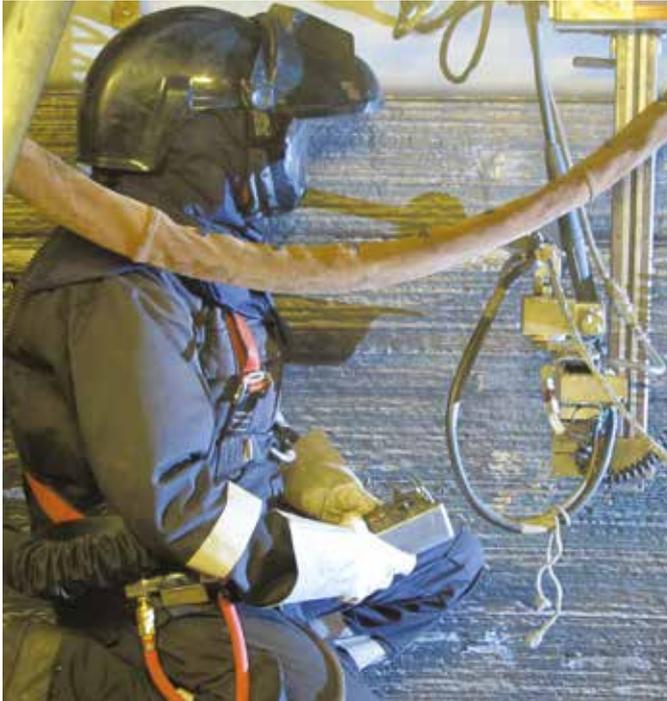
Culture of safety

Health, Safety and Environment (HSE) is of paramount importance in the markets we serve; it is central to the core values of our customers and is a fundamental part of our DNA.

Our commitment to HSE is driven by our full-time, specialized workforce, strong leadership at every level, and dedicated QA programs and certifications.

We consider health, safety and environmental protection at each stage of every project we undertake. We assign highly trained HSE staff to conduct risk-based assessments at the outset and provide written safety plans to ensure the safe working of our project teams.

As a result, we have gained an unrivaled competitive advantage in the marketplace. For AZZ WSI, safety is the number one priority.



Workforce is fully equipped with necessary safety materials



Thickness measurement

AZZ[®] Incorporated – the strength of a global group

AZZ Incorporated (AZZ) is a specialty electrical equipment manufacturer and provider of highly engineered services to the global markets of power generation, transmission, distribution and industrial, as well as a leading provider of hot dip galvanizing services to the North American steel fabrication market.

AZZ was established in 1956 and is headquartered in Fort Worth, Texas USA. The company has grown steadily into the enterprise it is today, with global operations and a workforce of more than 3,400 employees.

The strength and expertise of its people is key to its success. AZZ strives to deliver the most innovative solutions and provide the best level of service for its customers.

AZZ is a strong, responsible and diverse global organization committed to future sustainable growth. The organization is well positioned to address the challenges of a constantly evolving global economy.

Enhancing Infrastructure



AZZ WSI® is a specialized global services company offering innovative maintenance through automatic weld repair solutions that extend the lifetime and maximize the value of our customers' assets in the Energy industry.

AZZ WSI B.V.

Marconiweg 16
3225 LV Hellevoetsluis
The Netherlands

T: +31 88 27 84 539
E: wsj-europe@azz.com
www.azz.com/wsj-europe



WSI 001-0914EN

