AEGION COATING SERVICES

Specialized internal and external robotic coating solutions for onshore and offshore pipeline field joints
Aegion Coating Services

Aegion Coating Services is strategically headquartered in Greater Houston and has a global presence with other affiliated Aegion Corporation office locations. Our services provide internal and external protection for vital energy, water, and mining infrastructure needs worldwide. We combine a variety of pipeline coating and rehab technologies for both onshore and offshore installations including:

- Robotic field ID and OD coating
- Custom FBE coating solutions
- Specialized equipment
- Foam Trench Breakers
- Inspection services

Aegion Coating Services boasts one of the largest fleets of field joint coating systems in the world and holds over 30 robotic patents related to internal pipeline weld coating in the U.S. and abroad. We have coated over two million field joints in the United States, Mexico, Canada, Venezuela, Australia, Indonesia, the Gulf of Mexico and the Middle East. Our goal is to provide outstanding service, continually improve the quality of our products and maintain our status as a recognized pioneer and innovator in field joint coatings and inspection.
Aegion Coating Services provides high quality coating services for onshore, oil & gas, potable water and other pipelines. Our services include custom coating, internal and external robotic coating and rebar plant construction.

HIGH QUALITY COATING APPLICATIONS

Offering high quality coating applications designed and engineered to withstand the toughest environments, Aegion Coating Services specializes in onshore pipeline construction ranging in sizes and distance.

We are known industry-wide for our quality and our technical expertise. By working with both customer and contractor, our services efficiently and effectively meet the specific needs of your project.

Field Joint Coating Systems:
- Fusion bonded epoxy (FBE)
- Three-layer PP and PE
- Multi-component spray liquid
- Automated Liquid Ring
- PP flame spray
- Coating rehabilitation

CUSTOM COATING

Aegion Coating Services has the ability to internally and externally coat various sizes and shapes of pipes, bends, valves and other fabrications. With our line pipe coating facility, we are a one stop shop for your custom coating needs.

Custom Coating Systems:
- Fusion bonded epoxy (FBE)
- Abrasion resistant overcoat
- Three-layer PE
- Multi-component liquid spray
- NSF approved products

REBAR HANDLING AND COATING EQUIPMENT

Aegion Coating Services provides the equipment and training necessary to design, install and operate epoxy rebar coating plants around the globe. Since the 1970s, we have installed and commissioned rebar coating lines all over the world from Minnesota to Florida and throughout the Middle East. We currently have plants running that are well over 25 years old.

Features:
Our turnkey products are capable of coating up to 27,000 metric tons per shift per year. Sizes range from 8mm (.314”) through 40mm (1.57”). In addition to shake out, transfer machines, cleaning machines and kick out systems, we offer submerged quench systems for complete cooling of the bar after the cure time has been reached.

Services:
- Plant construction and installation
- Drawings and documentation
- Consumables and utilities
- Production estimates
- Process description
- Personnel training
- Offer and option packages
- Warranty

Our highly trained and experienced technicians perform our coating applications with expertise within the project scope and specifications.
Many of the robotic coatings applications implemented by Aegion Coating Services for onshore projects are also applicable and translate to offshore solutions.

**OFFSHORE SERVICES AND EQUIPMENT**

As exploration and production activities move into more challenging frontiers such as deepwater, Arctic and unconventional onshore environments, Aegion Coating Services continues to provide advanced field joint and custom coating solutions.

**Offshore Field Joint Coating Systems:**
- Fusion bonded epoxy
- Injection moulded PU
- PU foam fill
- Flame spray

**SPOOLBASE AND PIPE LAY SERVICES**

Aegion Coating Services provides operating capabilities at onshore spoolbase facilities and offshore lay vessels. Our offshore services and equipment are functional for both OD and ID lay barge coating configurations.

**Capabilities:**
- Spoolbase
- Robotic field Joint coating
- S-lay
- J-lay
- Fabrication

**ID ROBOTICS**

Aegion Coating Services specializes in the application of internal field joint coatings using state of the art robotic equipment. Our applicators utilize “real time” video inspection for liquid or FBE coating solutions.

Our innovative robotic equipment is used to clean, vacuum, coat and inspect the internal field joint areas and can operate in both onshore and offshore (S-lay) environments. Our robotic devices are battery powered and control-guided by professional technicians using telemetry, requiring no umbilical connection.

**Field Joint Coating Systems:**
- Fusion bonded epoxy
- Three-layer PP and PE
- Multi-component spray liquid

Our robotic capabilities can help us reach areas of pipelines and field joints normal coating equipment can’t.
Our services and techniques have multiple applications for oil and gas infrastructure. Aegion Coating Services technicians can apply a wide range of coating formulations on a variety of pipelines and surfaces.

**Coating Preparations:**
- Blast preparation
- Surface treatment

**Corrosion Protection Systems:**
- Fusion bonded epoxy (FBE)
- Three-layer systems (3LPE and 3LPP)
- Multi-component liquid
- Heat shrink sleeves

**Pipeline Infill Solutions:**
- Polyurethane foam infill (PUF)
- Injection moulded polyurethane (IMPU)

**Additional Capabilities:**
- UV coatings
- Abrasive resistance overcoat (ARO)
- Line pipe coatings
- Trench Breakers
- Rehabilitation
## Infrastructure Solutions
- Rehabilitation and strengthening for pipelines, buildings and bridges
- Trenchless pipeline rehabilitation
- Pipeline and structure fiber reinforcement
- Structural reinforcement
- High-quality product and equipment sales
- Fusible PVC® technology

## Corrosion Protection
- Corrosion protection and pipeline rehabilitation
- OD and ID robotic coating solutions for field joints
- Pipe coatings, linings and insulation
- Cathodic protection systems
- Thermoplastic lining

## Energy Services
- Engineering, procurement, fabrication, construction, maintenance, turnarounds and safety services
- Engineering, procurement, fabrication, construction, maintenance and turnarounds
- Safety services
- Fabrication, construction, maintenance and turnarounds