

# Trusted solutions

for the oil and gas industry

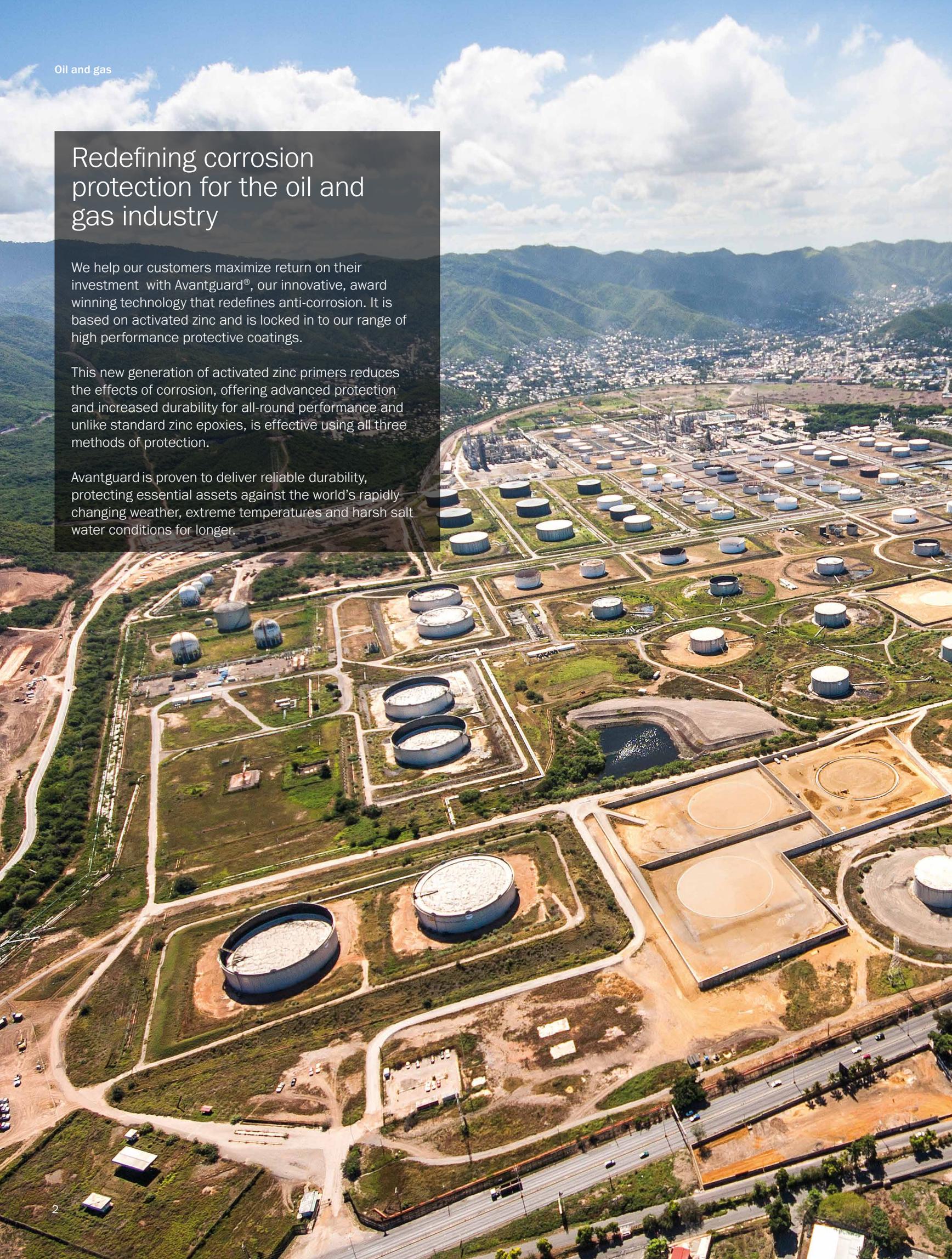


## Redefining corrosion protection for the oil and gas industry

We help our customers maximize return on their investment with Avantguard®, our innovative, award winning technology that redefines anti-corrosion. It is based on activated zinc and is locked in to our range of high performance protective coatings.

This new generation of activated zinc primers reduces the effects of corrosion, offering advanced protection and increased durability for all-round performance and unlike standard zinc epoxies, is effective using all three methods of protection.

Avantguard is proven to deliver reliable durability, protecting essential assets against the world's rapidly changing weather, extreme temperatures and harsh salt water conditions for longer.



# Up to the challenge

The oil and gas industry faces many challenges to protect assets in some of the world's harshest environments.

At Hempel we understand these complex needs and with 100 years experience in Marine and Protective coatings, we offer tailored anti-corrosion solutions that can make a real difference.

Our extensive and innovative product range provides reliable, long-term protection for every aspect of your business, whether upstream or downstream, offshore or onshore.

In addition, we make our experience and knowledge available to our customers to assist them in delivering projects anywhere in the world.

## Hempel delivers trusted solutions for the oil and gas industry.

### Proven performance

Our coating systems use proven technology to give advanced protection for all your assets, from oil platforms and pipelines to petrochemical plants and refineries.

### Global service

We give you the right products on site, on time, every time, with the support of our 28 manufacturing plants and over 150 stock points worldwide.

### Professional support

Our multinational coordination teams and over 600 FROSIO/NACE certified coating advisors are on hand to ensure that your coating project runs smoothly from start to finish and beyond.

### Innovative solutions

With 15 global research and development facilities, we work locally with you to provide the right solution for your project, ensuring environmental responsibilities are met.

# Upstream

## Offshore

From subsea equipment located on the ocean floor to FPSO's floating on the surface, we protect you from top to bottom.

### Exploration

We have vast knowledge and experience in the drilling market, along with an extensive track record with some of the world's major drillers. So, whether it's the simplest jackup or an ultra-deep water drill ship, we have the necessary systems to protect your asset.

### Production

Increasingly our world-wide customers turn to us for our protective coatings. We not only offer systems for structural steel and topside equipment but also for water ballast, cargo oil tanks and process vessels.

### Our unique experience offshore

Product	Benefit
Offshore paint schemes based around our Avantguard activated zinc primers	Helps to reduce total cost of painting over the life of an asset
Quattro range of ballast tank coatings offers improved application properties	Helps reduce the need for expensive on station repainting often in dangerous confined spaces
Hempel's splash zone coatings, when installed from new	Helps minimize dangerous overboard painting activities resulting from premature coating failure
Hempel's extensive range of anti-fouling and fouling control solutions	Helps reduce hull cleaning costs and aid underwater hull inspections

## Onshore

In a changing market, we are changing too, with our unconventional approach to our customer's onshore challenges.

### Flexible solutions

Our extensive supply chain footprint and systems solutions are flexible to meet the needs of an industry focused on unconventional resources, such as shale gas and oil tar sands.

### Oilfield equipment

Not only do our oilfield customer's need to keep their equipment operational but appearance is everything. We offer a range of solutions to help our customers maintain both their equipment and their image.

### Storage and transportation

Helping to keep our customers transportation infrastructure intact and in service is an essential part of our day to day business. We offer the best corrosion protection available with our range of tank and pipeline coatings.

### Our unique experience onshore

Product	Benefit
Wide range of steel protection schemes	Helps reduce project paint costs by selecting the right scheme for your environment, wherever the location
Durable internal linings	Help customers manage the integrity of their process equipment and storage capacity more effectively
Hempaxane polysiloxane topcoats	Help reduce repainting by increased durability, gloss and color retention



# Downstream

We know the downstream sector and understand the need for anti-corrosion coatings that are fast to apply, durable and cost effective to help keep operations running smoothly.

Our customers have come to rely on our range of specialist coatings, developed for optimised application, advanced protection and long lasting results.

However, it's not just about long term costs. We recognise that the requirement to deliver projects on time and to budget has never been stronger. That's why we continually develop higher productivity systems that can be applied quicker and across a wider range of application conditions.

With painting often occurring late in a project's cycle, the potential to cause disruption and impact on schedule must be continually monitored. Our on site support teams coordinate global and local services to ensure the smooth running of your coatings project from start to finish and beyond.

## Our unique experience downstream

Product	Benefit
High productivity paint schemes	Reduced impact on fabrication schedules
Versiline CUI 56990 covers a wide temperature range	Allows specifiers to simplify the number of systems required reducing the likelihood of error
Chemically resistant internal linings	Single supplier for all your protective coatings no matter how aggressive the contents

When your project is complete, we provide comprehensive condition monitoring and maintenance solutions throughout your plant's operational phase, ensuring optimum return on your coating investment.





Since 1915 Hempel has been producing protective coatings that help customers to safeguard their assets while keeping them looking their best. Today we are a world-leading supplier of trusted solutions in the Protective, Decorative, Marine, Container and Yacht markets. Employing over 5,500 people, across 80 countries worldwide, with 28 factories and more than 150 stock points globally. This includes many recognized brands like Crown Paints, Neogard and Jones-Blair.

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