



# Oil & Gas Industry

## Welding & Welding materials



**ALGARMANI TRADING CORP.**

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### ALGARMANI TRADING CORP. "AMG"

is well-known private company founded in 1972 by Ali Mohammed Algarmani and sons.

The company is located in Sana'a, Yemen, with activities in different business sectors. has achieved to build a wide range and strong trading relationship with many reputable companies from Europe, Japan and the Gulf area. To cover its customers requirements in heavy industries and Oil & Gas.

**Our mission:** to provide our customers the best services to insure safe continuous operations of their equipments within reasonable time and price.



## ALGARMANI TRADING CORP.

ISO 9001  
BUREAU VERITAS  
Certification



001

ISO 9001 : 2008 Certificate No. IND 10.5108

Algarmani Trading Corp.  
is ISO Certified Corporation

## KNOW-HOW IN THE OIL AND GAS INDUSTRY

AMG has attend the necessary expertise in welding, coating and brazing through its world leader in the field partnering with CASTOLIN which provides our team within depth training and high quality systems.

Through Castolin experience that extends to over a hundred years in the field, we provide our customers with optimized solutions or proper repair.

# OilTec



## WEAR PROTECTION EXPERT

Classic wear types that occur in the oil and gas industry are:

- Impact
- Cavitation
- Friction
- Corrosion + Heat
- Erosion
- Abrasion



Damage caused by these wear groups costs money, especially in downtime and lost production, replacement parts, repair and ongoing maintenance. At AMG we take the time to study industry specific types of wear because until the nature of the wear is fully understood, the correct solution cannot be identified.

## INNOVATIONS

In cooperation with castolin, AMG can solve many specific wear problems. This includes areas such as carbide selection, carbide size, carbide distributions, matrix compositions, application procedures and process equipment. Some examples of products developed specifically for the oil and gas industry by AMG are:

- Wear resistant cored wire for hard banding.
- Non-magnetic alloys for use on Measurement while Drilling tools and instrumentation.
- Superior self-fluxing alloy for anti-corrosion coatings for combined H<sub>2</sub>S and NaCl environments.
- Powder brazing processes; CastoDyn SF Lance and Superlet Eutalloy.
- Improved powder alloys for crack-free wear resistant deposits.
- TeroCote 7888 T
- EuTronic GAP System.



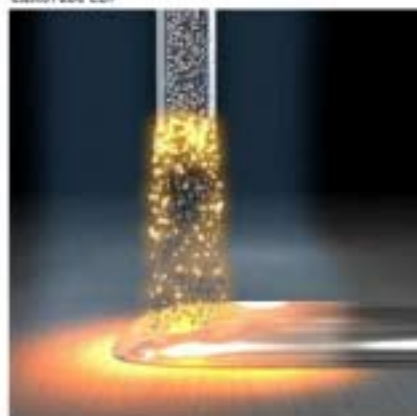
Spray & Fuse: CastoDyn SF Lance and Superlet Eutalloy



CastoTube CDP



Automatic Eutronic GAP Process



EuDOTec Welding



## TEROCOTE 7888 T

TeroCote 7888 T is a high-performance anti-wear product in the form of a flexible cord, comprising a nickel core wire, covered with an elastic binder containing a mixture of carbides and nickel alloy powder.

7888 T deposits are an extremely durable protective coating comprising a dense mass of ultra hard tungsten carbides embedded in a tough nickel-chromium alloy matrix, providing effective protection against erosive and abrasive attack.

In oil exploration, TeroCote 7888 T is used to protect the drill bits and stabilizers. In Oil processing, TeroCote 7888 T is used to protect centrifuges.



## SOLUTIONS FOR THE OIL AND GAS INDUSTRY

Utilizing solutions provided by Castolin Eutectic, AMG is your resource for protection, wear and joining solutions. We believe in working with our customers to find the best answer to their problems. Expert in wear problems we can provide solutions for:

- Repair of broken parts.
- Rebuilding of worn parts.
- Protection against wear and corrosion
- Fusion technology
- Manufacture of new finished and semi-finished parts

# OilTec



Rod Liner



Coupling



Shoe



Carbide Fixation



Drill Bits

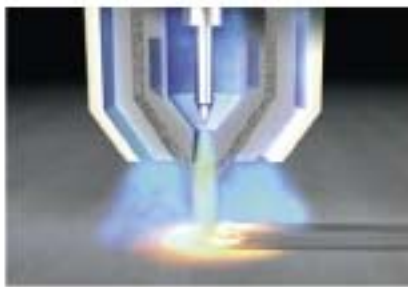


Wear-band on Drillpipe



Hardfacing on Stabilizer

## EuTRONIC GAP SYSTEM



For protective surface coatings and joining applications, Castolin Eutectic developed the EuTronic GAP System using a Plasma Transferred Arc (PTA). PTA technology provides a range of benefits compared with conventional welding processes:

- Micro-plasma welding
- Extremely Low Dilution
- Outstanding Repeatability
- Minimal Post-Weld Finishing
- High Energy Density
- Minimal Heat Affected Zone
- Short Welding Times



A coating applied with the EuTronic GAP PTA system on drill pipe provides a smooth wear-band that has very low casing wear, while maintaining superior wear resistance in both open hole and casing drilling.



## CASTOLAB



We believe in making our extensive know-how fully available to our customers, but for situations where technology transfer is complex or requires a rapid turn-around, Castolin has its own maintenance service works-hops; CastoLabs. These fully resourced skill centers develop advanced procedures for transfer to end users.



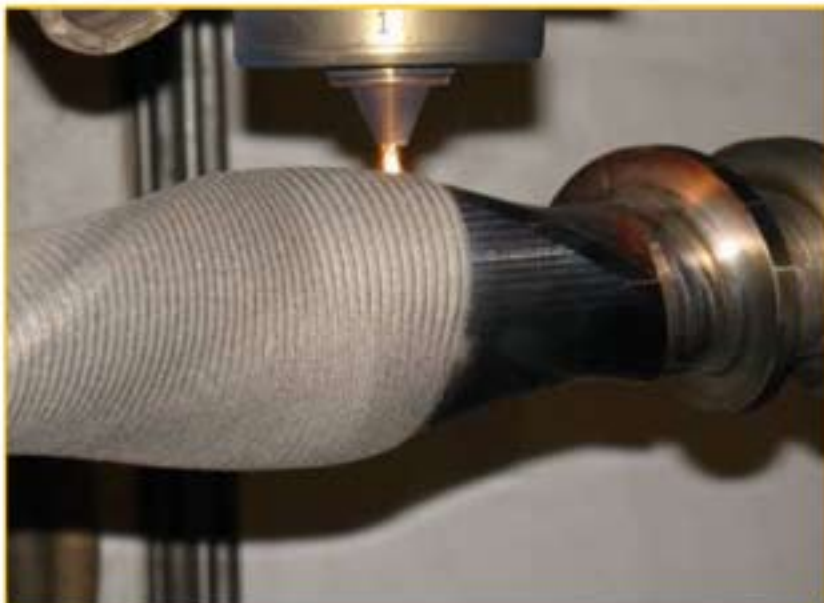
## INDUSTRY PARTNER



# CHROME PLATE REPLACEMENT TECHNOLOGY



HVOF (High - Velocity - Oxygen - Fuel)  
Coating and Finishing  
Tehnology for Chrome  
Plate Replacement.



### HVOF Spray Completed



### Finish Grinding



### After Finishing



### Field Application



# Aden Repair Shop

## Some Activities:

- Manufacture of new finished and semi-finished wear parts.
- Repair of broken parts.
- Rebuilding of worn parts.
- Protection against wear and corrosion.
- Fusion technology.
- Measurement and analysis of vibrations.
- Machining and portable machining.
- Balancing of rotary parts.
- Portable balancing.

## Advantages:

- fast response time.
- Genuine warranted spare parts.
- One stop shop.
- Qualified and factory trained team.

**Aden Repair Shop** has been established since 2001 In Aden with highly qualified engineers. It provides all types of engineering, fabrication maintenance and services for Cement Plants, power plants and oil & gas. The repair shop is equipped with the latest technology equipments requirements.





We care that`s why we succeed



[www.algarmani.com](http://www.algarmani.com)

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