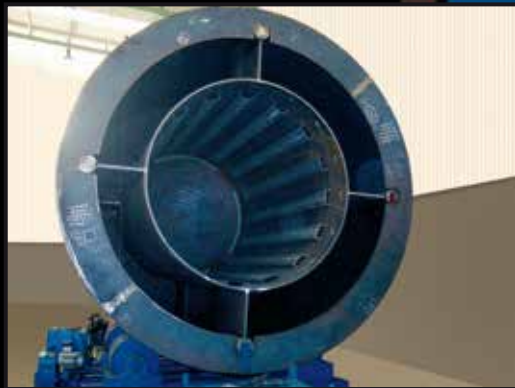
A close-up photograph of a large industrial flange. The top part of the flange is a smooth, light-colored metal with several circular bolt holes. The bottom part, which is the main body of the flange, is covered in a dense, blue, wavy weld overlay pattern. A thick red vertical band is visible on the left side of the image. A blue curved line runs along the right edge of the flange. The background is dark.

**Experts in welding and Weld Overlay
of fittings, flanges, valves, pipes and spools
for Oil & Gas and civil Nuclear.**



Newtesol offers unrivalled quality and professional welding and weld overlay to clients WORLDWIDE from our main facilities and head quarter in Santander (Northern of Spain), where the company was born as a spin off from civil nuclear industry located in the region.





Santander



***our origin
comes from the civil
nuclear industry***

ewtsol
new welding technologies

newwtesol

new welding technologies



*after decades
of welding our
know-how
is huge*



More than forty years of EXPERIENCE and the ability to solve all welding technical demands of the customers. Our close contact with them is the main source of knowledge on how pieces and equipment behaves along their working life. Thus, when your company faces an unusual need, you can rely on Newtesol as the best possible advisor.

As a result of this history, Newtesol is able to manufacture any kind of weld overlayed pieces, even extremely difficult ones. We have been using for decades low dilution processes, getting excellent corrosion and erosion resistant results

... That's why we are leaders in our sector.



We have the latest technology for Weld Overlay and are keeping to DEVELOP this continuously in house aswell as in association not only with the most known weld machine manufacturers, but also with University and related research institutes.

The automation of the processes optimized for each new challenge, together with our civil nuclear back ground mindset, allows us to design and implement zero-defect weld overlay systems.

... That's why we are leaders in our sector.





*passionate about
technology
and innovation*

new welding technologies

newwitesol

The background of the entire page is a photograph of a welder in a dark environment, wearing a protective mask and working on a large, curved metal structure. In the foreground, a robotic welding torch is visible, positioned to weld the same structure. The scene is dimly lit, with the primary light source being the welding process itself, which creates a bright, glowing arc. The overall tone is industrial and technical.

newtesol

new welding technologies

In Newtesol we like our customers to rely in our accuracy when referred to the high standards we achieve in each of our jobs. Even though we are ISO 9001:2008 & ISO 14001 certified, our quality system complies with much more demanding NQA-1, 10CFR50 App. B and 10CFR21, whereas zero-defect mindset is tightly pursued, project documentation is issued in parallel with the manufacturing and tiny problems become a promising opportunity to improve in a never ending learning discipline, assuring always that the approved IPPs are the road map to excellency and that traceability is completely guaranteed.

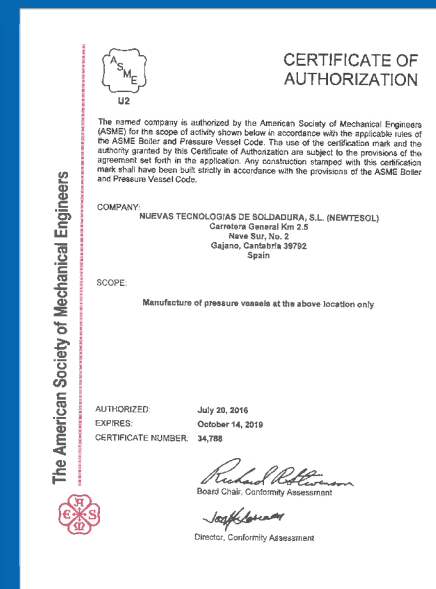
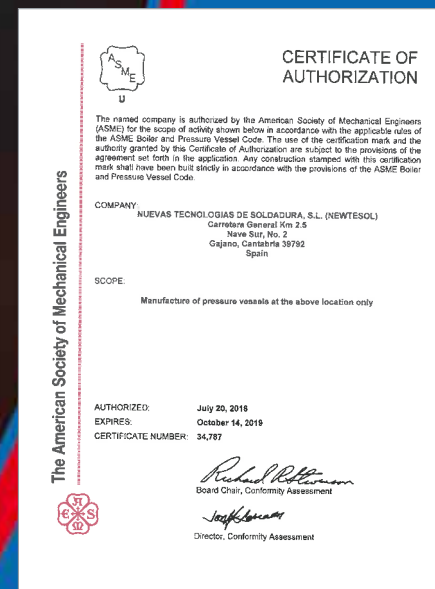
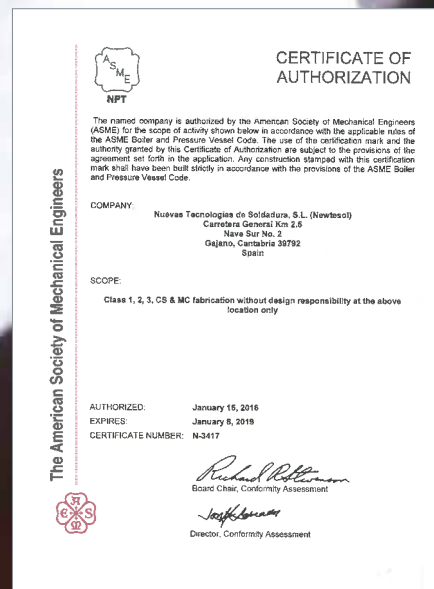
***obsessed by quality
to make durable products***



This quality system enables us to make the highest quality products under the ASME U & U2 stamp, ISO 3834-2 certificate, corrosion resistant pipes under the API-5LD monogram and pieces and equipment under ASME III stamp.

We are also the only manufacturer in the clad market worldwide holding the NPT nuclear stamp.

... That's why we are leaders in our sector.





newwtesol

new welding technologies

*well trained staff and fully automated
machines to ensure **flexibility***





Newtesol is fully aware of the increasing need to react quickly on the demanding schedule of the O&G, PowerGen, industrial or maritime & offshore projects nowadays and thus search the highest efficiency through fully AUTOMISED production along with continuous training of our staff on modern plant management and maintenance systems.

Multipurpose of both programmable state of art machines and committed work force, makes Newtesol able to adapt its production planning to the changing needs of the customers so that required lead time is achieved.

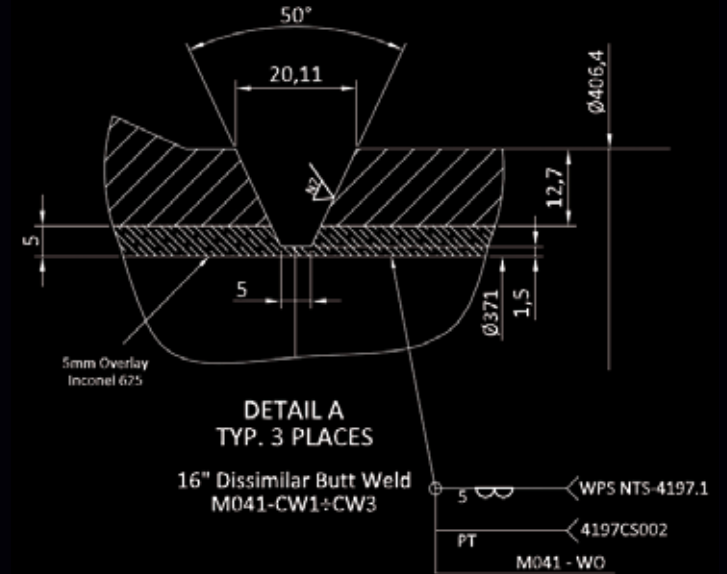
... That's why we are leaders in our sector.





Each order is managed by a dedicated Project Manager, who is in charge of the communication with the customer, assuring also internal coordination among design, procurement, quality control, production, documentation, expedition and financial dept. through the tightest attention in detail.





That way lead times are optimized and delivery of the pieces are placed in time, and what's equally important: DOCUMENTATION is made along with the project due to our nuclear-based quality system, avoiding any inconvenient delay after the completion of the manufacture.

... That's why we are leaders in our sector.

**project
management
for accuracy, commitment
and communication**

newwitesol
new welding technologies

- Nuclear Power Plants
- Civil Nuclear Research
- Submarines
- Shipbuilding



newtesol
new welding technologies



*serving in most **hi-tech markets** worldwide*



- Offshore
- Refineries
- Oil & Gas
- Petrochemical
- Chemical Industry

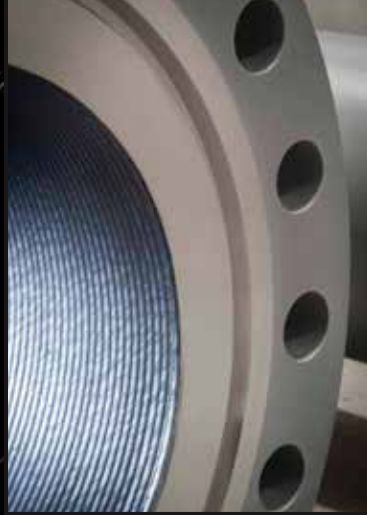


Flanges

Newtesol is an experienced cladder of RF WN, RF SO, RF Blinds, RTJ WN and Long Weld Neck Flanges, as well as of Spacers- Spades, Spectacle Blinds, Orifice Flanges, Anchor Flanges, Hanger Flanges, Grayloc & Others.

Olets such as Weldolets, Sockolets, & other forgings are also our usual products.

Range of sizes from 1" NPS to more than 60".



Fittings

Elbows – LR, SR & Reducing

Tees – Straight and Reducing & Barred Tees

Reducers – Concentric, Eccentric & Conical

Caps

Range of sizes from 1" NPS to more than 60"

Pipes

Newtesol performs Weld Overlay on piping products, either seamless or welded Pipes, Sch Std & higher wall thickness, with the following scope of sizes:

- 1" to 1 ½" NPS, up to 500mm lengths for nozzles sections
- 2" to 4" NPS, up to 3 meters lengths,
- 5" to 6" NPS, up to 6 meters lengths,
- 6" NPS up to more than 36" 12 meters lengths.



Spools

Newtesol provides complete spools made of many different base materials, such as low alloy steel, stainless steel, Chrome-Molly, duplex, super duplex, titanium, nickel alloys and carbon steel, the latter completely weld overlaid in stainless steel, duplex, super duplex, and nickel alloys (625, 200, 400... even pure Ni).

We have also capability for spool fabrication with hard facing with Alloy 6.

Valves Newtesol is a great specialist of valve weld overlay, hardfacing and welding, widely subcontracted to us by European manufacturers to make the pre-machining, cladding, butt welding, machining and testing.

Together with ball, globe, gate, check and all other types of valves, we clad and machine Christmas tree blocks, hub connectors or bonnets.



Special Fabrication

Newtesol is a well known manufacturer of pressure vessels, either completely clad in the wet internal surface for sour service in O&G applications (U or U2 stamped, if required) or made under ASME III (even under NPT stamp) for civil nuclear uses, including internals, racks or waste fuel casks themselves.

The extensive welding capability of the company allows us to build other additional related items such as cyclones, supports, heat exchangers and many more.



Non destructive testing

In the NDE we perform all kind of non destructive examinations.

The testings are carried out according to our customer's or our own specifications, as per applicable Code and standards.

Newtesol has qualified equipment and personnel for the following testings:

- liquid testing
- ultrasonic testing
- magnetic particles testing
- PMI (chemical analysis)
- Radiographic testing
- Hardness testing
- Hydraulic testing
- Ferrite control
- Ferricyanide test



Materials

Newtesol weld overlays Piping, Vessel and Heat Exchanger components, from one piece to complete Piping Systems, Pressure Vessel & Heat Exchanger components.

Overlay Materials

- SS 309L, 309LMo, 316L, 317L, 310, 347, 308, 904L
- 2594 (Super duplex), 2209 (Duplex)
- Nickel Alloys 200, 400, C276, B3, Alloy 825, Alloy 625
- Alloy 617, Alloy 59
- Wear Resisting Alloys, Stellite (hard facing), Cr Carbide and Others

Base Materials

Carbon Steel
Low Alloy Steels
High Yield Grades
Chrome-Moly
Nickel alloys
CrMoV
Titanium and other base materials



Weld Overlay on pipes starting with 1" diameter. Weld Overlay on difficult configurations like elbows, tees, reductions, fittings.




newtesol
 new welding technologies

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