



RECONNECT

SYMPOSIUM 2022

KNOWLEDGE • OPTIMIZATION • INNOVATION

Downcomer replacement in a urea reactor

New 'threaded downcomer' design

Anil Gokce

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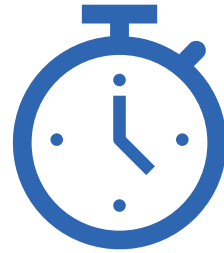
Have you ever experienced any problems with your downcomer in your Urea Reactor?

- Any repairs?
- Or replacement?

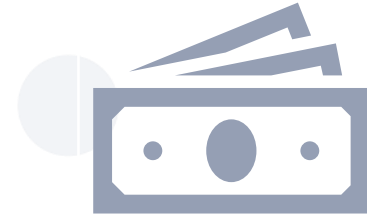
Upgrade your downcomer



Safe



Quick



Cost effective

Say goodbye to welding

You're looking at a minimum two weeks' welding in the confined space of your urea reactor to replace your old downcomer.

You'll need permits, too, and assistance from our engineers to ensure everything goes to plan. Quite a challenge.

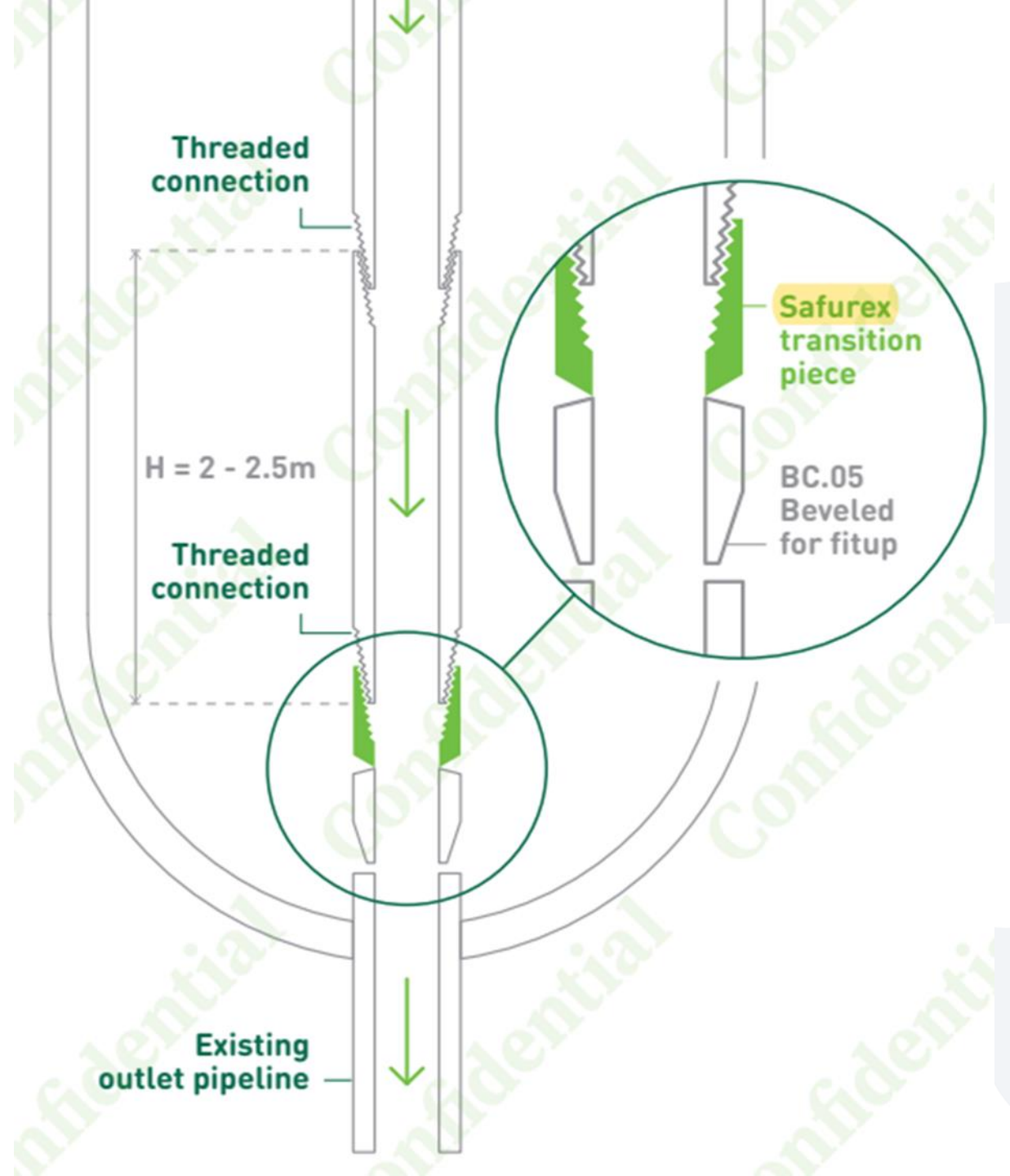
What if you could create a safer environment for engineers and welders, cut your lead time and lower your costs without compromising on quality?

Well, you can. Check out our solution.

Install a threaded downcomer

Stamicarbon presents its new downcomer with threaded connection. This **machined Safurex® seamless** pipe is easily rotated into place from the top of your urea reactor.

Threaded connection and transition piece details



A large coil of threaded metal rods is the central focus of the image. The rods are dark, possibly black or dark grey, and have a distinct threaded pattern. They are coiled in a way that creates a sense of depth and texture. In the background, there is a blurred industrial environment with various pieces of machinery and equipment. A prominent feature in the background is a yellow piece of equipment with a blue label that reads "JIMMIE". The overall lighting is bright, highlighting the metallic surfaces of the rods.

**A threaded
downcomer comes
with a host of
valuable benefits:**

- Enhanced plant staff safety
- Fast installation in 1-2 days
- Lower total cost of ownership

Enjoy total peace of mind...

Above all, you enjoy total peace of mind. Safurex® is a super duplex stainless steel designed to withstand the challenging environments of all urea processes. It has superior resistance to all types of corrosion, including crevice corrosion in the threaded connection.

With a lifetime of at least 20 years, the threaded downcomer is the perfect solution when you're revamping an old urea reactor. Your new downcomer will last longer than the high-pressure vessel itself.

Thank you!