



**Johnson
Screens**

A brand of
Aqseptence Group

Energy and Processing Technologies
Global Service Provider



Building on over 100 years of experience in providing advanced screening and filtration solutions

We apply this expertise from initial product design through proprietary fabrication, inspection, testing, installation and start-up.

We have the right people to solve problems that may arise at any point in a product's life cycle.

Our Field Service team works with a database which includes all past job details. This information enables us to do a search on a customer and forecast when a new replacement screen is likely to be required.

This experience gives us a wealth of knowledge which we make available to you through our field service teams and in-house technical support groups.

We are experts in major processes including Catalytic Reforming, Styrene Dehydrogenation, Paraxylene, LAB, Sulphur Treatment, HDS/HDT, Ammonia Conversion, Mercury Removal, Claus and other gas treatment processes.

From Problem Detection, to Re-Commissioning of the Reactor

Customers may select one or more choices in the following possibilities;

Project engineering assistance for revamping or upgrading.

- Technical assistance when damage is found or assumed on reactor internals.
- Internal expertise after catalyst unloading.
- On-site installation of Johnson Screens' equipment.
- Supervision of contractor's installation.

Turnkey Solutions for Assessed Quality

- Extensive experience in project management; from project engineering to installation and commissioning of the reactor.
- Equipment failure assessment thanks to our equipment monitoring program.





A Team of highly skilled welders

From expertise and inspection, to installation and maintenance

No matter how distant or difficult the problem, we can mobilize a team of experienced welders to your site.

Each of them has personal experience in manufacturing, installation and repair reactor internals.

All have considerable expertise in TIG/MIG and other welding techniques, including work with exotic alloys.

Thanks to their experience, these welders can operate independently with minimal or no supervision under the most demanding conditions including confined space and working in remote sites.

These teams need no intermediate contractor to direct their work and typically report directly to our client's on-site management.

For new project installations, we will send a team of experienced fitters, technicians and supervisory engineers to ensure a smooth, trouble-free start-up.

Our Field Service specialists have been chosen over 140 times, in more than 100 countries and have accumulated over 25,000 hours of effective on-site work experience since 1990.

They represent over 40 years of cumulated on-site experience with refining & petrochemical processes.





Money Saving Reactivity

Trouble doesn't usually give you advance warning, so the moment it happens, your unproductive downtime begins

With every minute costing money, speed is critical and speed is what we deliver;

- Our field engineers can be on site within 48 hours.
- You will receive a damage assessment and recommendation report within 12 hours of the inspection.
- Our world-wide network of suppliers, combined with our purchasing power, enables us to get stainless steel, nickel alloys or other exotic materials into our production facilities with no time wasted.
- Once in our facility, these materials are specially processed to meet the short delivery schedule.

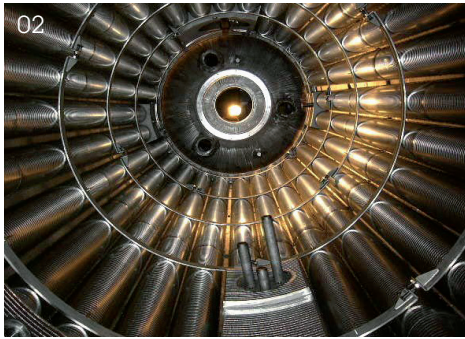


Ultrasonic device allows quick on-site inspection of the annulus between inner and outer screens.



Take advantage of our past experiences

Put our experience to work in your next turnaround. You can depend on Johnson Screens to have you back on-line without a wasted moment of production



Refurbishment of radial flow reactors with Vee-Wire scallops

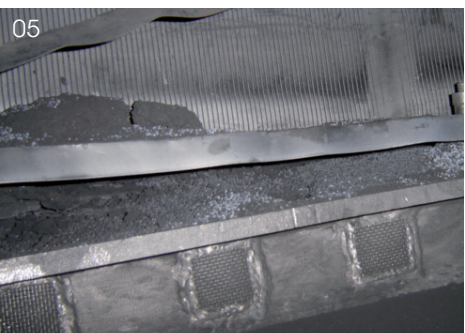
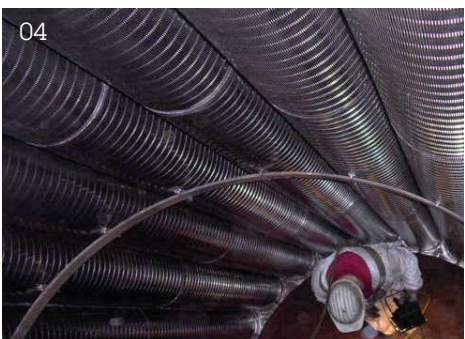
IMAGE 01_ Before
IMAGE 02 _ After

Our field service team removed all damaged scallops and installed new Johnson Screens Vee-Wire scallops



IMAGE 03_ Before
IMAGE 04_ After

Repair of the outer basket bottom flange



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