

*"We did the cost analysis. It costs nothing to do this vs. the cost of sending a whole crew out...Best money we ever spent."
— T.T., Measurement Supervisor*



SERVICE

OFFERINGS FOR OIL & GAS

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OVERVIEW

Markets

e9 Treatments provides services to apply nanoscale surface modification treatments to instrumentation, metering and measurement equipment used in the following segments of the oil and gas industry:

- Upstream
- Midstream
- Downstream
- Natural Gas Distribution

These e9 engineered treatments slow fouling and buildup on the surfaces of devices in hydrocarbon environments. e9 treatments are proven to:

- Improve measurement accuracy and reliability
- Extend time between service 3x to 8x
- Increase run time, extend functional life of equipment
- Reduce maintenance requirements
- Create easy-clean surfaces

Applications

Flow metering and proving equipment, instrumentation, pipe, tubing, filtration and separation equipment, instrumentation for regulating and monitoring processes, valving and more.

Services

- New Device Treatment
- Used Device Treatment
- Cleaning & Calibration

NEW DEVICE TREATMENT

Treatment at e9 Facility or In-Field

The very best time to treat a device is before it enters service. This ensures treatment of the cleanest surface with the least amount of wear and tear.

How to get new devices treated:

- Order e9 pre-treated devices from the manufacturer or distributor
- Insert treatment with e9 as a step in your supply chain
- Have new devices shipped to e9 for treatment prior to installing them in service
- Schedule treatment of new devices at your install location

All e9 treated devices are tagged and have an "e9 Treated" sticker to easily identify treated vs. untreated stock items.





TREATMENT CHARACTERISTICS

Will not impact equipment tolerances or specifications
Will not void device warranty, as validated by many OEMs
Environmentally friendly, non-ozone depleting, nonflammable
Less than 10 nanometers thin
Clear, not visible on the surface
Does not alter surface appearance, conductivity or functional design
Temperature resistant up to 305 degrees F
Works on many common surface metals: stainless steel, carbon steel, Inconel, hastelloy, titanium, aluminum and more!

USED DEVICE TREATMENT

In-Field or Off-Site Treatment

e9 treats used equipment either in the field or off site. Include e9 treatment solutions in your plan when scheduling devices for cleaning or proving. Scheduled turnarounds also provide a great opportunity to apply e9 treatments to troublesome devices.

- In-Field Treatment
e9 will clean and treat equipment on site
- Off-Site Treatment
We offer pick up and quick turnaround of devices needing cleaning, treatment and calibration

When scheduling treatment services, treat spare equipment at the same time to ensure devices are ready for immediate installation when replacements are needed.



GETTING STARTED

Call e9 Treatments to get started. We work with fabricators and local service companies, OEMs, distributors and end users. e9 personnel will handle logistics and scheduling to ensure that you receive great and timely service!

Make e9 Treatments part of your new install and preventive maintenance program today.

