



## SERVICES CATALOGUE

# Valve Repair, Maintenance & Plant Shutdown

Planned turnarounds • On-site overhauling • Preventive maintenance • 24/7  
emergency breakdown support



**SD Industrial Valves Pvt Ltd**

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## ABOUT US

# Plant services that keep you running

SD Industrial Valves Pvt Ltd manufactures premium industrial valves for severe service and backs them with complete plant shutdown, repair and overhauling support. From gate, globe, ball and butterfly valves to safety and special-purpose designs, everything we build is engineered to perform reliably under pressure — and to keep performing for years.

What sets us apart is end-to-end capability: design, machining, assembly, testing and dispatch under one roof, combined with experienced field crews who install, maintain and restore valves on site. When your plant needs a planned turnaround or an emergency response at 2 a.m., the same team that builds valves is the team that keeps yours running.

We stay current with the latest developments in valve technology and maintenance practice, continually upgrading our methods, tooling and training — so our customers always get the best outcome the industry can offer.

## AT A GLANCE

|                                                                                     |                                                                                              |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| <b>Plant shutdowns</b><br>Planned turnaround execution, start to restart            | <b>Valve repair &amp; overhauling</b><br>In-house and on-site restoration to OEM performance |
| <b>Preventive maintenance</b><br>Contract-based AMC that prevents unplanned outages | <b>24/7 emergency support</b><br>Rapid-response field crews for breakdowns                   |

## WHERE WE WORK

|                                                                                               |                                                                                                |
|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| <b>On your site</b><br>Field crews mobilised to the plant with portable machining capability  | <b>In our workshop</b><br>Valves collected, stripped, machined, tested and returned to service |
| <b>During turnarounds</b><br>Integrated into your shutdown schedule and permit-to-work system | <b>At short notice</b><br>Emergency breakdown teams for unplanned outages, around the clock    |

## PLANT SHUTDOWN

# Comprehensive turnaround execution

From the first planning meeting to a successful restart, we manage every phase of your shutdown to prevent accidents, minimise delays and maximise plant uptime.

|                                                                                                                                                                                                                    |                                                                                                                                                                                                                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Planning &amp; Scheduling</b><br>We build a detailed turnaround plan — scope of work, job sequencing, resource and manpower allocation — engineered to compress critical-path time and minimize total downtime. | <b>Safety &amp; Risk Assessment</b><br>Every shutdown begins with a thorough HSE and risk review. We identify hazards, define mitigation measures, enforce permit-to-work systems and brief every crew member before work starts. |
| <b>Shutdown Execution</b><br>Our supervisors coordinate activities across your team, contractors and suppliers — tracking progress in real time, resolving bottlenecks and keeping the job on schedule.            | <b>Maintenance &amp; Repairs</b><br>Skilled technicians and engineers carry out valve servicing, mechanical repairs and component replacement on the full population of line and critical-service valves.                         |
| <b>Quality Control &amp; Inspection</b><br>We perform in-process and final inspection, NDT and pressure testing to confirm every repair meets API/ANSI standards and your specific acceptance criteria.            | <b>Restart &amp; Recommissioning</b><br>We support a controlled start-up — system checks, equipment testing and verification of safety protocols — for a smooth, incident-free return to production.                              |

## WHAT YOU RECEIVE

|                        |                    |                   |                        |
|------------------------|--------------------|-------------------|------------------------|
| Turnaround plan        | Job sequencing     | Manpower schedule | Risk assessment        |
| Daily progress reports | Inspection records | Test certificates | Handover documentation |

## REPAIR & OVERHAULING

# Restoring valves to OEM performance

Our technicians service every valve type — gate, globe, ball, butterfly, check, plug, safety and control — whether manual, automated or actuated.

|                                                                                                                                                                                                          |                                                                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inspection &amp; Assessment</b><br>Advanced diagnostics to evaluate wear, leakage, corrosion and mechanical failure, so the right corrective action is recommended before it becomes costly downtime. | <b>Repair &amp; Overhauling</b><br>Full strip-down, machining and reassembly that restores valves to OEM performance — extending service life at a fraction of replacement cost. |
| <b>Preventive Maintenance</b><br>Customized AMC programs with scheduled inspection visits that catch issues early, reduce unplanned failures and lower lifetime maintenance spend.                       | <b>Retrofit &amp; Upgrades</b><br>Modernize existing valves with updated trims, actuation and safety features to meet evolving process, efficiency and regulatory requirements.  |
| <b>Emergency Breakdown Support</b><br>A 24/7 response team for unplanned outages — fast, reliable repairs that get critical lines back online and protect your production targets.                       |                                                                                                                                                                                  |

## VALVE TYPES SERVICED

|            |           |                 |           |
|------------|-----------|-----------------|-----------|
| Gate       | Globe     | Ball            | Butterfly |
| Check      | Plug      | Safety & relief | Control   |
| Knife gate | Diaphragm | Piston          | Strainers |

## SCOPE OF WORK

# Inside a valve overhaul

We travel to your workshop or site with full machining capability and work strictly to safety procedures and applicable standards. A typical overhaul covers:

- Dismantle gearbox, actuator bracket and bonnet assembly
- Withdraw spindle together with the seat for inspection
- Inspect body seat and wedge / plug seat condition
- Restore seating faces by stelliting, lapping and blue-match contact check
- Portable on-site lapping of wedge / plug and body seats (both faces)
- Replace gland packing, gland collar and worn spares
- Apply anti-seize compound / molycot to the spindle
- Reassemble and confirm free opening / closing operation
- Hydro and seat testing as per API standards with documentation

## STANDARDS & APPROVALS

|                        |                    |                 |
|------------------------|--------------------|-----------------|
| <b>ISO 9001:2015</b>   | <b>API 6D</b>      | <b>API 600</b>  |
| <b>API 598 Testing</b> | <b>ANSI / ASME</b> | <b>CE / PED</b> |

Every overhaul is documented: inspection findings, replaced components, test pressures and acceptance results are recorded and handed over with the valve, so your maintenance history stays complete and auditable.

## WHY SD INDUSTRIAL VALVES

# The same team that builds valves

Most contractors either manufacture or maintain. We do both — which means the crew working on your plant understands the valve from the inside out.

|                                                                                                                |                                                                                                              |
|----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>Manufacturer's knowledge</b><br>We build these valves, so we know their tolerances, trims and failure modes | <b>In-house machining</b><br>Seat facing, lapping and component manufacture without waiting on third parties |
| <b>Trained field crews</b><br>Permit-to-work discipline, toolbox talks and documented HSE practice             | <b>Round-the-clock response</b><br>Emergency breakdown teams mobilised for unplanned outages                 |
| <b>Complete documentation</b><br>Test records, material certificates and inspection reports with every job     | <b>Single point of contact</b><br>One accountable team from assessment through to recommissioning            |
| <b>Safety-first execution</b><br>Risk assessment, permit-to-work and toolbox talks before every job            | <b>Minimised downtime</b><br>Planning that sequences critical-path work to get you back online sooner        |

The result is fewer surprises during a shutdown, valves that go back into service performing as they should, and a maintenance record you can audit.

## HOW WE WORK ON YOUR SITE

|                |                |                     |                    |
|----------------|----------------|---------------------|--------------------|
| Permit-to-work | Toolbox talks  | Job safety analysis | Isolation & LOTO   |
| Confined space | Work at height | Housekeeping        | Incident reporting |

## MAINTENANCE & RESPONSE

# Planned cover, rapid response

Two ways to keep valves off your critical path: a maintenance contract that catches problems early, and a response team for when something fails anyway.

### ANNUAL MAINTENANCE CONTRACT (AMC)

|                                                                                                      |                                                                                               |
|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| <b>Scheduled inspection visits</b><br>Agreed intervals with a documented condition report each visit | <b>Priority valve register</b><br>Critical-service valves identified, tracked and planned for |
| <b>Predictable budgeting</b><br>Contract pricing instead of emergency call-out costs                 | <b>Spares planning</b><br>Recommended holdings so a failure does not become a wait            |

### EMERGENCY BREAKDOWN SUPPORT

|                                                                                              |                                                                                                      |                                                                                                   |
|----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| <b>24/7 mobilisation</b><br>Response teams available around the clock, every day of the year | <b>Portable machining</b><br>On-site seat lapping and machining so the valve need not leave the line | <b>Temporary measures</b><br>Safe interim solutions to keep production running while parts arrive |
|----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|

### TO GET A RESPONSE MOVING, TELL US

|                              |                           |                            |                                  |
|------------------------------|---------------------------|----------------------------|----------------------------------|
| <b>Valve type &amp; size</b> | <b>Pressure class</b>     | <b>Line media</b>          | <b>Fault observed</b>            |
| <b>Site location</b>         | <b>Access constraints</b> | <b>Isolation available</b> | <b>Required back-online time</b> |

Call the number on the back of this catalogue at any hour. If the valve is on a critical line, say so on the first call — we will mobilise while the details are still being confirmed.

## INDUSTRIES

# Plants we serve

Turnarounds, repairs and maintenance contracts across process industry.



|                                                                  |                                                            |                                                       |
|------------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------|
| <b>Oil &amp; Gas</b><br>Upstream, midstream and refinery service | <b>Petrochemical</b><br>Severe-service and high-cycle duty | <b>Chemical</b><br>Corrosive and aggressive media     |
| <b>Fertilizer</b><br>Ammonia, urea and process lines             | <b>Power Plants</b><br>Steam, feedwater and condensate     | <b>Steel</b><br>High-temperature and abrasive service |
| <b>Marine</b><br>Compact, corrosion-resistant isolation          | <b>Water Treatment</b><br>Large-bore isolation and control | <b>Pharmaceutical</b><br>Clean, leak-tight handling   |
| <b>Food Processing</b><br>Hygienic and wash-down duty            | <b>Cement</b><br>Dust, slurry and bulk handling            | <b>Mining</b><br>Slurry isolation and heavy wear      |

## HOW WE ENGAGE

|                                                                                               |                                                                                      |                                                                                             |
|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| <b>1. Assessment</b><br>Site visit and valve survey to scope the work and identify priorities | <b>2. Proposal</b><br>Method statement, manpower plan, schedule and commercial offer | <b>3. Execution</b><br>Mobilised crews, documented work, tested and handed back on schedule |
|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|

Planning a turnaround, or facing an unplanned outage? Call us for a free assessment — emergency support is available 24/7.



## Let's work together

Share your requirement — size, pressure class, materials and ends — or tell us about your next shutdown. Our team will respond with a tailored proposal. Emergency support is available 24/7.



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