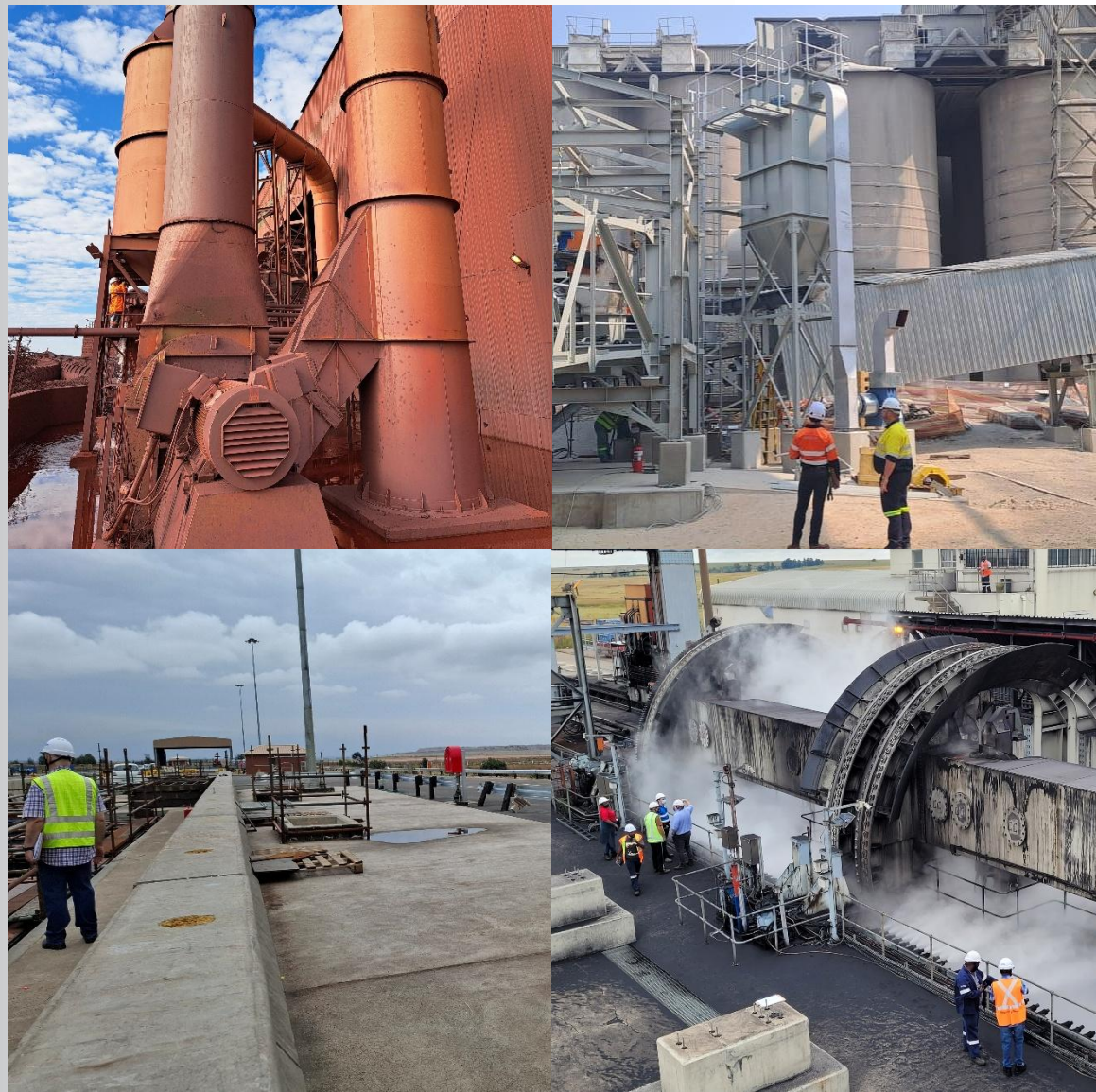




CLIENT SUPPORT SERVICES

System Audits, Performance Optimisation
and Technical Support

DESIGNERS & SUPPLIERS OF COMPLETE PLANTS FOR
VENTILATION, DUST AND FUME EXTRACTION.

ENVIROVENT is a leading provider of engineered air pollution control solutions for the mining, mineral processing, bulk materials handling and industrial sectors. We specialise in the design, manufacture, installation and commissioning of complete ventilation, dust and fume extraction systems, supported by experienced engineers, skilled technicians and comprehensive after-sales service.

Our solutions are developed to address a wide range of industrial air pollution challenges, including dust control, fume extraction and product recovery. Every system is engineered to suit the specific application, delivering reliable performance, efficient operation and long-term value for our customers.

SUPPORT BEYOND EQUIPMENT SUPPLY

Envirovent provides practical engineering and technical support for existing dust-control, fume-extraction, industrial ventilation and dust-suppression systems.

Our Client Support Services are focused on helping clients understand the condition and performance of their systems, identify the causes of operational problems and develop practical recommendations for improved performance, reliability and maintainability.

Services may be provided for Envirovent equipment, legacy installations and suitable third-party systems. Each assignment is individually scoped according to the equipment, operating conditions, available technical information and the client's specific requirements.

OUR SERVICES

✓ System Audits & Condition Assessments

Structured site inspections covering extraction points, ducting, fans, dust collectors and associated equipment.

✓ Performance Evaluations & Optimisation

Operational assessments, measurements and recommendations aimed at improving system performance and efficiency.

✓ Troubleshooting & Root-Cause Assessments

Investigation of poor capture, dust escape, blockages, excessive wear, high differential pressure and recurring equipment problems.

✓ Airflow Measurements & System Balancing

Measurement and assessment of airflow distribution, duct velocities, system resistance and extraction performance.

✓ Engineering & Upgrade Support

Concept development, equipment selection and engineering recommendations for repairs, modifications, debottlenecking and capacity upgrades.

✓ Maintenance, Spares & Field Support

Maintenance recommendations, critical spares identification, installation supervision, testing and commissioning support.

SYSTEM AUDITS & PERFORMANCE IMPROVEMENT

A system audit provides a structured assessment of how an existing dust-control, fume-extraction or ventilation system performs as an integrated whole, from the point of generation and capture through to collection and final dust discharge.

The scope of each audit is tailored to the system, the operating concern and the level of investigation required.

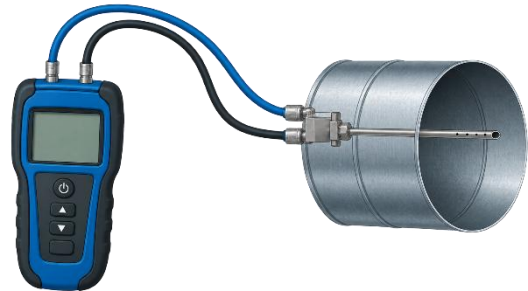
WHAT WE ASSESS

- ✓ Dust-generation sources, process conditions and operating sequences.
- ✓ Capture hoods, enclosures and extraction points.
- ✓ Duct sizing, routing, branches, dampers, leakage, wear and material build-up.
- ✓ Fans, motors, drives and operating duty.
- ✓ Bagfilters, wet scrubbers, cyclones and other dust-collection equipment.
- ✓ Cleaning systems, hoppers, dust-discharge arrangements and associated controls.
- ✓ Equipment condition, access and maintainability.

MEASUREMENTS & PERFORMANCE CHECKS

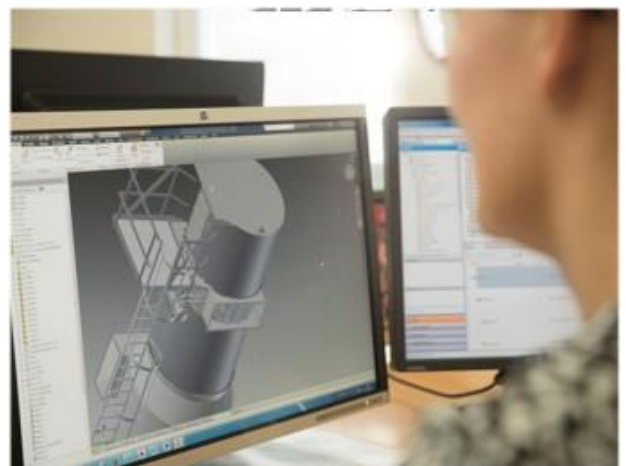
Where required and included in the agreed scope, the assessment may be supported by:

- ✓ Airflow and duct velocity measurements.
- ✓ Static pressure and differential pressure measurements.
- ✓ Fan duty and system resistance assessments.
- ✓ Checks of extraction points and airflow distribution between branches.
- ✓ System balancing and damper-setting checks.
- ✓ Review of relevant operating parameters, including compressed air, water flow or spray pressure, where applicable.



TYPICAL PROBLEMS WE INVESTIGATE

- ✓ Poor dust capture and visible dust escape.
- ✓ Uneven airflow distribution between extraction points.
- ✓ Dust settlement and recurring duct blockages.
- ✓ Excessive wear, leakage or corrosion.
- ✓ High or unstable differential pressure.
- ✓ Fan underperformance and insufficient extraction.
- ✓ Recurring filter, cleaning-system or dust-discharge problems.



TYPICAL AUDIT DELIVERABLE

Depending on the agreed scope, the client receives a concise engineering report recording the observed system condition, available measurement results, identified performance constraints and likely causes of the problems investigated.

The report includes prioritised recommendations and proposed next steps. Where further modifications are required, detailed engineering and implementation support can be offered as a separate follow-on scope.

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At Envirovent, we believe every application deserves the right solution—not simply the biggest solution. We work closely with our clients to develop engineered solutions that deliver cleaner industrial air through practical, reliable and cost-effective air pollution control systems.

Contact our engineering team to discuss a system audit, performance assessment or technical support requirement tailored to your application.

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