

AirAudit [®]

The Independent Compressed Air Audit Specialist
for Industrial Manufacturers

ISO 11011 CERTIFIED
Compressed Air Auditing

Compressed Air System Auditing for Industrial Manufacturers

Find the waste. Fix the system. Protect the capex.

13

Years of Operations

250+

Industrial Audits

20–30%

Typical Energy Waste Found

ISO 11011

Certified Standard

AirAudit is Pakistan's only ISO 11011-certified compressed air auditing firm, operating since 2011 across textiles, pharmaceuticals, food and beverage, automotive, and general manufacturing. We work independently — no compressors to sell, no OEM affiliations — so every recommendation is made solely in the interest of your facility.

OEM auditors have one agenda: sell more equipment.

An AirAudit finding that saves your system may eliminate your need for a new compressor. That is the point.

SECTORS SERVED

- Textiles & Garments
- Pharmaceuticals
- Food & Beverage
- Automotive
- Cement & Building Materials
- Medical Devices
- Plastics & Packaging
- General Engineering

What a Compressed Air Audit Delivers

Most compressed air losses are invisible until they are measured. Leaks make no alarm. Pressure drop shows no warning light. Off-load running wastes electricity silently. A structured audit maps the entire system — compressors, pipework, dryers, FRLs, and point-of-use demand — and produces a costed action list ranked by return on investment.

<p>Leak Quantification</p> <p>Every leak point logged by location, estimated CFM, and repair priority. Leakage in most facilities runs 15–30% of compressor output.</p>	<p>Pressure Drop Analysis</p> <p>Measures loss across the full distribution network. Every 2 psi of avoidable pressure drop costs ~1% in energy — compounding across 6,000+ operating hours per year.</p>
<p>Capex Avoidance</p> <p>A properly assessed system can eliminate the need for an additional compressor — avoiding PKR 8–15M in capital spend and the recurring lube oil, service, and energy costs that follow.</p>	<p>ESG Documentation</p> <p>ISO 11011-certified findings produce the verified baseline required for EU buyer compliance, sustainability reports, and energy efficiency certification programmes.</p>

Our Three Audit Levels

Level	Scope	Duration	Typical Use
Level A Screening	Walk-through survey; compressor nameplate data; visual leak check; system pressure reading	1 day	Initial assessment; quick ROI estimate
Level B Standard	Full flow measurement; ultrasonic leak detection and logging; pressure drop mapping; compressor load analysis; demand-side survey	3–6 days	Standard industrial engagement; actionable savings report
Level C Comprehensive	All Level B plus data logging over full production cycle; dew point and air quality testing; ISO 8573-1 air purity baseline; piping layout optimisation study	7–12 days	Multi-shift operations; ESG certification; large multi-network sites

Proof: Medical Devices Manufacturer, Karachi

System	Finding	Impact
8 compressors, 334 kW rated	27% capacity loss identified — system delivering only 72% of rated output	PKR 7.11M / yr Efficiency loss
Distribution network — GI pipe, open loop	28 leak points totalling 58.61 CFM of wasted air	PKR 0.91M / yr Leakage
Compressor room ventilation	Room at 35°C — 10–15°C above optimum; direct efficiency penalty on all units	PKR 2.07M / yr Ventilation
Compressor load management	Units running off-load (unloaded) for extended periods — producing no useful air	PKR 2.59M / yr Off-load

Total Identified Annual Savings

PKR 12.93 Million

Markets We Serve

Market	Priority Sectors	Key Driver
Pakistan	Textiles, pharma, food, automotive, cement	Energy cost reduction; capex avoidance

UAE	Food & beverage, pharma, plastics, light manufacturing	UAE Net Zero 2050; operational efficiency
Saudi Arabia	Industrial, food, petrochemical support	Saudi Vision 2030 energy targets
Bangladesh	Ready-made garments, textiles, pharmaceuticals	EU buyer ESG compliance requirements
Oman / Qatar	Manufacturing, oil & gas support	National energy efficiency programmes

Start with a 20-minute
pre-audit questionnaire.

We will tell you within 24 hours whether your facility
has a significant savings opportunity worth
investigating — at no cost.

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