

Site Survey Services



Key Benefits

- Customers receive a detailed report of findings and recommendations.
- Site Surveys help pinpoint problem or weak areas in the inlet filtration system that may impact gas turbine efficiency and availability, and recommended solutions.
- Surveys are done by experienced specialists who understand both inlet filtration systems and gas turbine operation.

Why do an inlet filtration system inspection?

The inlet filter house and inlet ducting system are designed to minimize airborne contaminants that could cause erosion and corrosion of gas turbine components.

Many factors affect the efficiency of the filter system, including filter media used, maintenance and installation practices. Improper installation and/or maintenance of the inlet system could cause bypassing of the filter media, leading to unwanted contamination of downstream components. Therefore, it is critical that the inlet system be installed and maintained properly, with no leaks or bypasses into the clean air section.

CLARCOR Industrial Air site survey services include an inspection of the inlet system and the filtration media, which can help ensure that the installed inlet system is maintained and operating efficiently to protect the gas turbine.

Site Survey Scope of Work

The survey engineer will typically perform the following tasks, if applicable, once on site in order to establish the most appropriate recommendation for a potential retrofit system, and to ensure that any solution will be dimensionally suitable.

- If access permits, visual inspection of existing air intake equipment (inspection of filter house for signs of corrosion, integrity, drainage/water pooling, inspection of the filter product for integrity, degradation and installation, and inspection down stream of the filtration stage for general cleanliness, corrosion, erosion, integrity, and signs of water carry over).
- Visual survey of environmental factors/contaminants surrounding the intake.
- Dimensional survey of interface details (support steelwork, combustion and ventilation inlet flanges), and internal dimensions survey of equipment if an internal retrofit is planned.
- Visual/dimensional survey of any potential restrictions around the intake.
- If appropriate, examination of historical and/or maintenance data of existing air intake.

For more information, contact your sales representative at [CLARCOR Industrial Air](#):

11501 Outlook Street, Suite 100 | Overland Park, KS 66211
T: +1.800.821.2222 | T: +1.816.356.8400 | F: +1.816.353.1873

3 Omega Park | Alton, GU34 2QE | United Kingdom
T: +44 (0) 1420 541188 | F: +44 (0) 1420 541298
Email: gfi-filtration@CLARCOR.com
www.CLARCORindustrialair.com/gas-turbine-inlet-filtration

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