



Filter House

Power Market

Inlet Filter Houses

FOR RELIABLE TURBINE DEFENSE

Innova's static or pulse-jet air filtration systems are custom designed and engineered to provide maximum protection for your gas turbine. Our system protects the turbine from harmful environmental particulates that can damage the internal components and reduce turbine life. Our filter houses are optimized to provide this protection with low pressure drop which means better system performance.



FILTER HOUSE RENDERING

Benefits

- » Provides critical turbine protection for longer turbine life
- » Designed with low pressure drop
- » Easy integration of inlet cooling coils
- » Simple and easy to maintain
- » Prevents degradation
- » Acts as a defense against small particles that can clog vital components of the turbine gas path
- » Custom designed for each site's unique environment
- » Can be bundled with inlet heating or anti-icing system for minimal system pressure drop
- » Onshore or offshore applications
- » Bundle with Innova's proven intake silencer for a complete air intake system

Features

- » Available for all makes and sizes of gas turbines
- » Designs available for heavy particulate environments
- » Hi-efficiency filter packs
- » Pre-filter pads or pleats for large particle removal
- » Access to removable filters that can be inspected and serviced in-situ
- » Self-cleaning, low maintenance pulse system
- » Vertically or horizontally mounted filter designs available depending on your specific site requirements
- » Insect screens and pre-filters available to further protect the turbine and extend the life of the filters

Add-on Services

- » Acoustical consulting
- » Retrofit available to any site worldwide in any environment
- » Field technical assistance/installation
- » Commissioning

DESIGN SOFTWARE TOOLBOX

- Finite Element Analysis (FEA)
- Computational Fluid Dynamic Analysis (CFD)
- CadnaA and in-house silencer acoustic modeling
- Autodesk Inventor and Revit modeling

Add-on Products

- » Higgott-Kane™ silencing system
- » Anti-icing system/inlet heating system
- » Evaporative cooling
- » Fogging systems
- » Flexible joints

Engineering Competencies

- » Pulse system optimization testing
- » Independent filter test
- » Structural/mechanical designs
- » Evaluation of filter house sound levels

Leverage our Experience

Desert locations, marine environments, rural fields, tropical sites or cold, northern climates all require specific solution for inlet filtration. Our in-house engineering team takes into consideration your particular site and needs and will provide you with the best solution without compromising the performance of the gas turbine.

Our filter houses provide a safe environment to maximize gas turbine performance and minimize potential damage, erosion and mechanical failures. With the available add-on products and services, we can satisfy all your site requirements and provide you with a sole source of responsibility.

With many options to choose from, we will design, supply and install an inlet filtration system that will deliver worry-free operation — providing you with years of reliability and performance.



FILTER HOUSE FOR BRUSH GENERATOR

INNOVA
GLOBAL

Balance Without Compromise™

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