

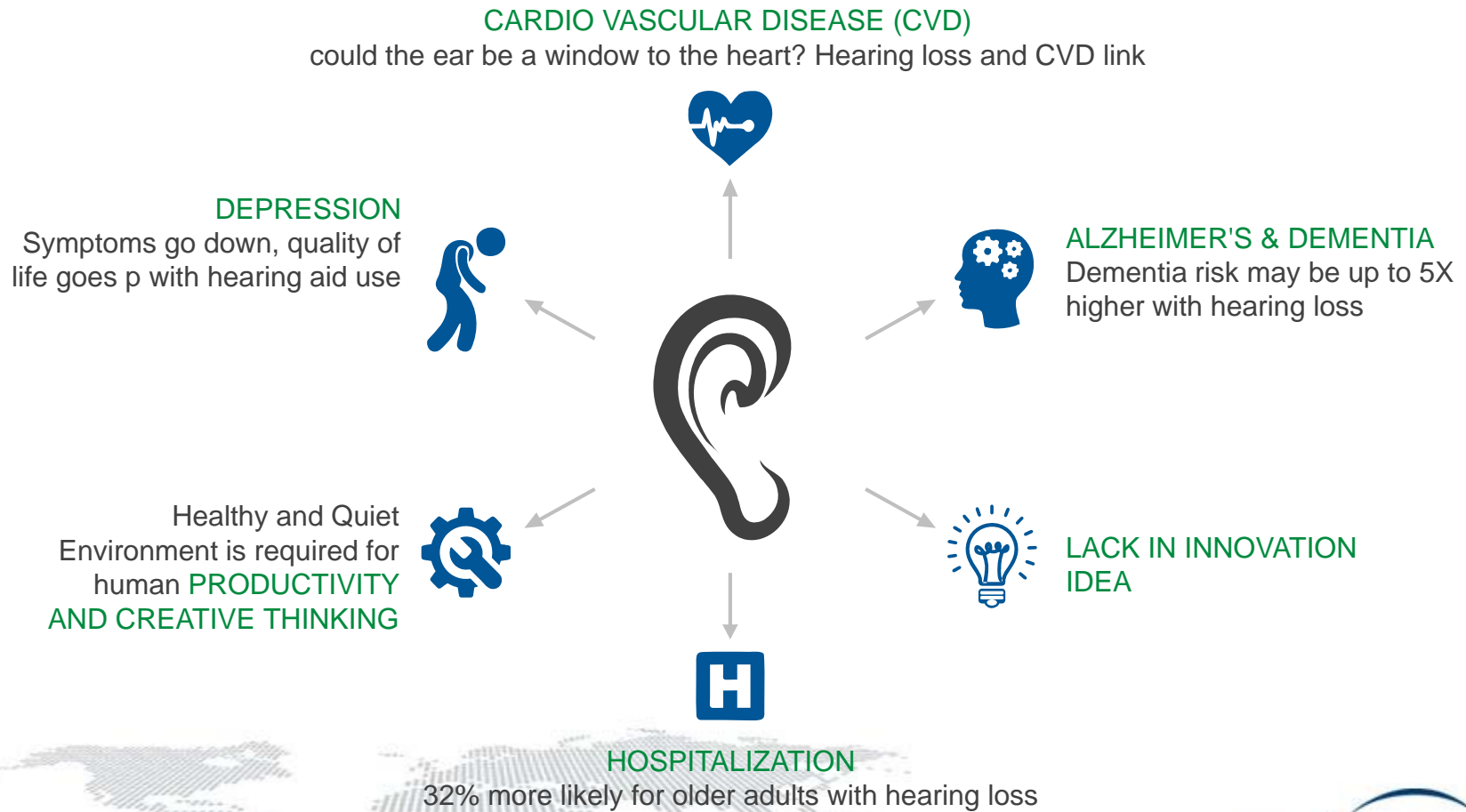


**ACOUSTIRACK™  
ACTIVE (ARA™)  
IS A SOUNDPROOF, CABINET**

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# Noise Pollution: It Harms Your Health and Hearing



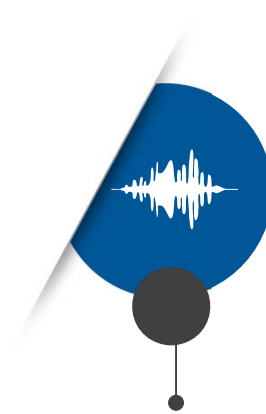
# Definitions



Sound power or acoustic power is the rate at which sound energy is emitted, reflected, transmitted or received, per unit time.



Sound pressure or acoustic pressure is the local pressure deviation from the ambient atmospheric pressure, caused by a sound wave.



An anechoic chamber is a room designed to completely absorb reflections of either sound or electromagnetic wave

# Advantages By Eliminating The Noise

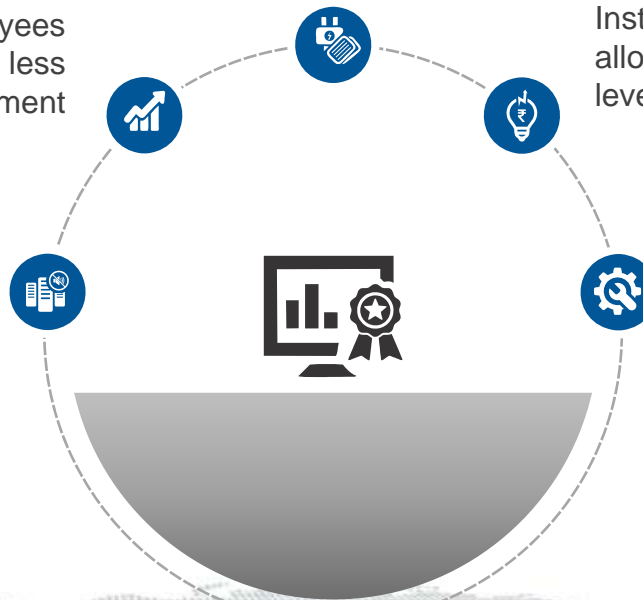
Green your IT- Eliminate noise pollution and consume less energy

Improve productivity - Employees work better due to a quieter, less stressful environment

Instant ROI - Heat dissipation of upto 8 KW allows you to reset the thermostat to a normal level, dramatically reducing your electric bill.

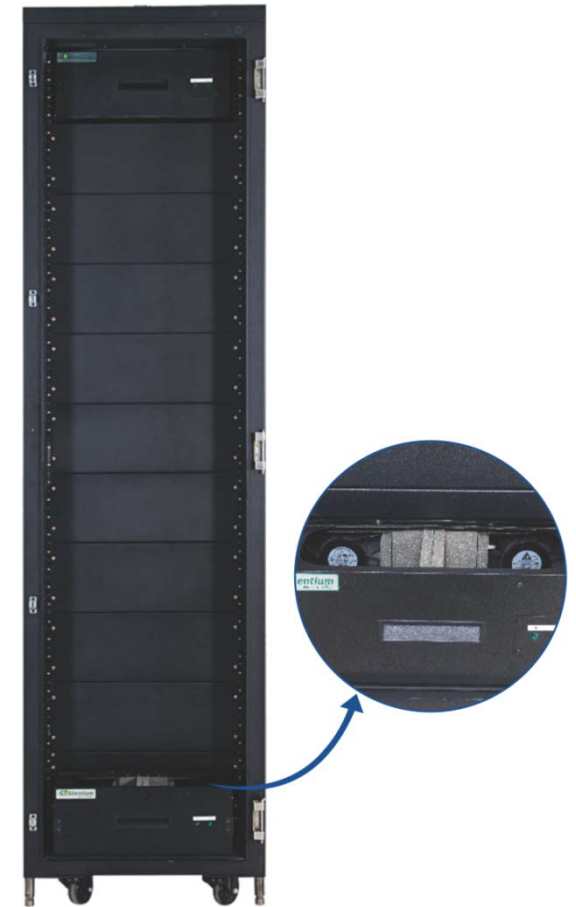
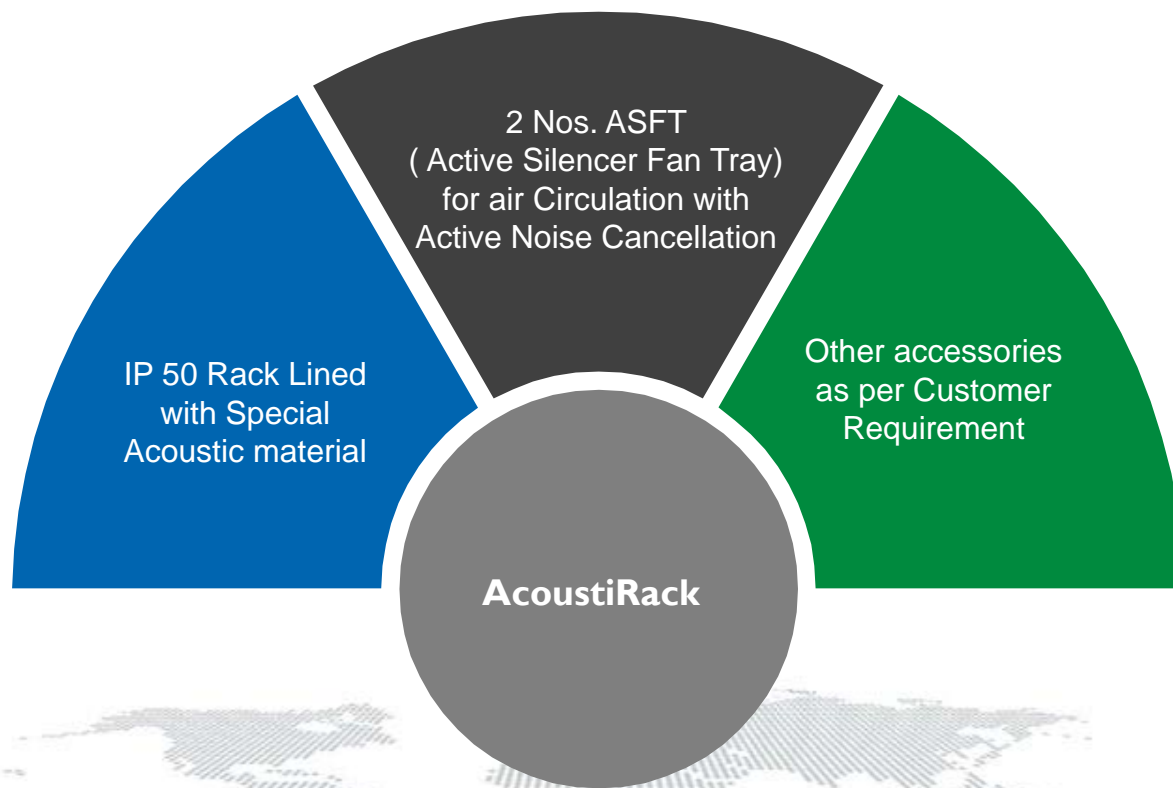
Gain the competitive edge – Offer your products without noise

Extends the life of your equipment – Constant temperature maintenance prevents machine burnout



**Bicsi**<sup>®</sup>

# How to Eliminate the Noise of IT Equipment's and What Is AcoustiRack Active?



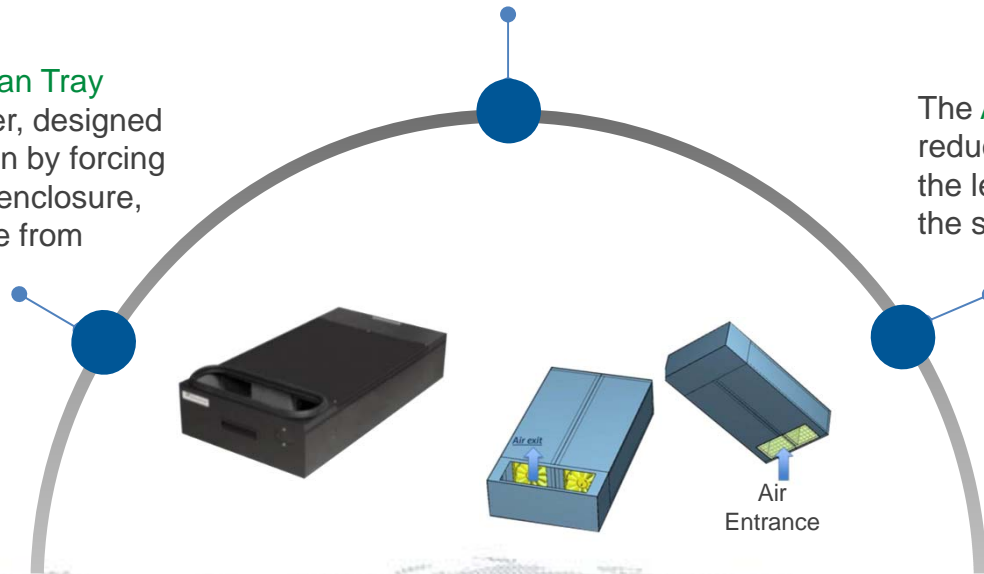
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# Active Silencer Fan Tray (ASFT)

The unit is lined with acoustic material and equipped with Silentium's proprietary noise-cancelling technology which is highly effective in reducing **low-frequency noise**.

The **Active Silencer Fan Tray (ASFT)** is a fan drawer, designed for assisting ventilation by forcing air into and out of an enclosure, while preventing noise from escaping.

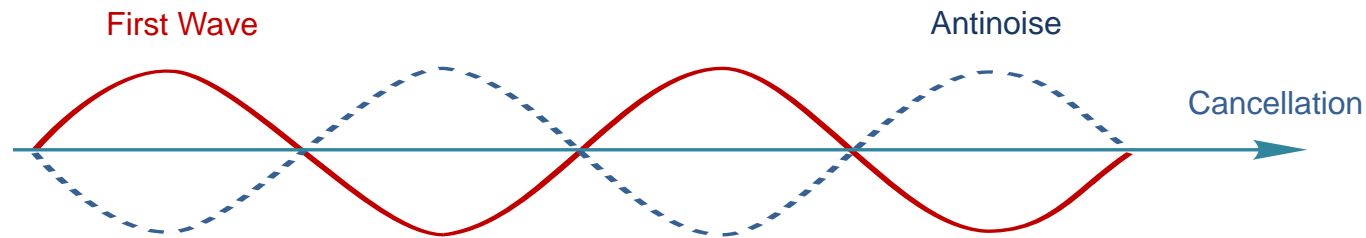
The **Active Silencer Fan Tray (ASFT)** reduces the auxiliary fans noise and the left installed equipment noise to the surrounding noise level.



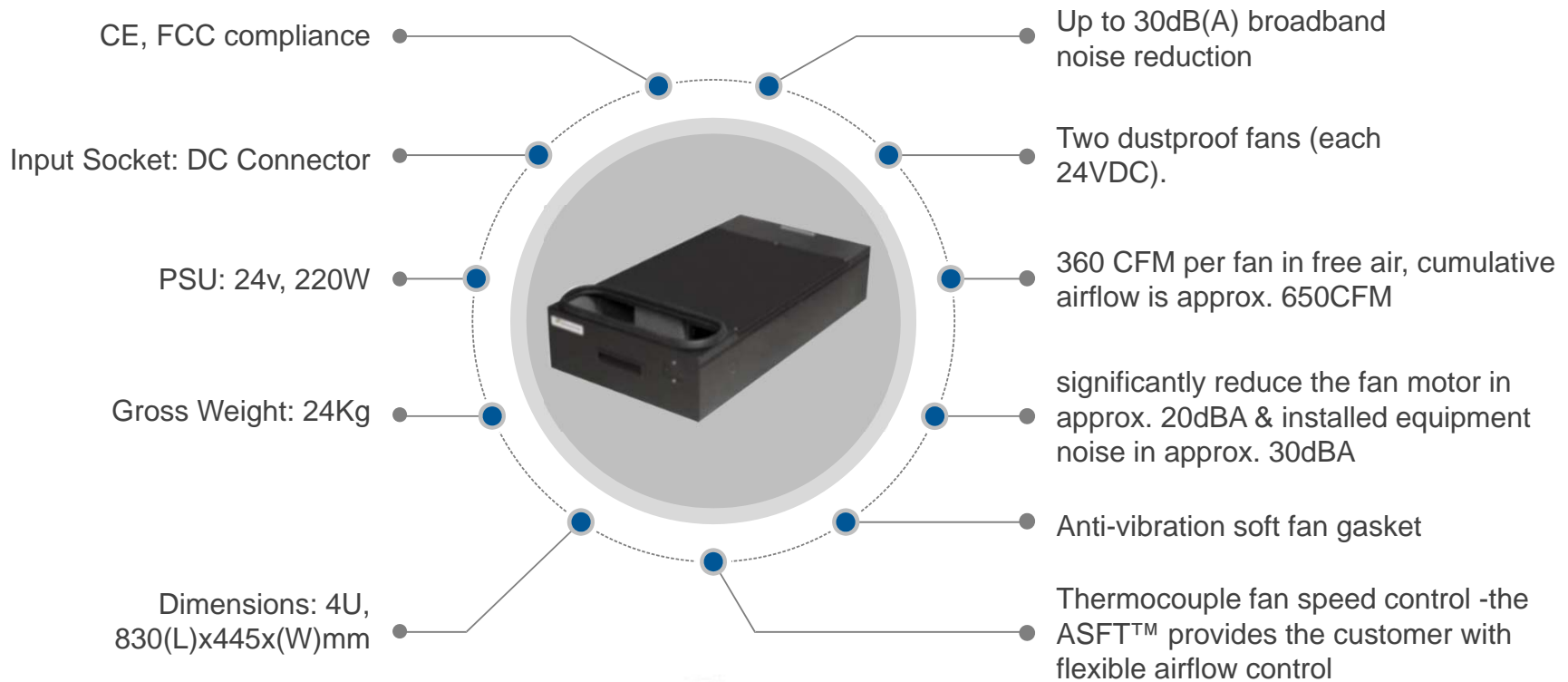
# The Solution: AcoustiRACK™ ACTIVE

## Noise Canceling Rack

- The ONLY solution utilizing ANC
- Embedded Active Noise Control
- Active Silencer™ Fans Trays ASFT™

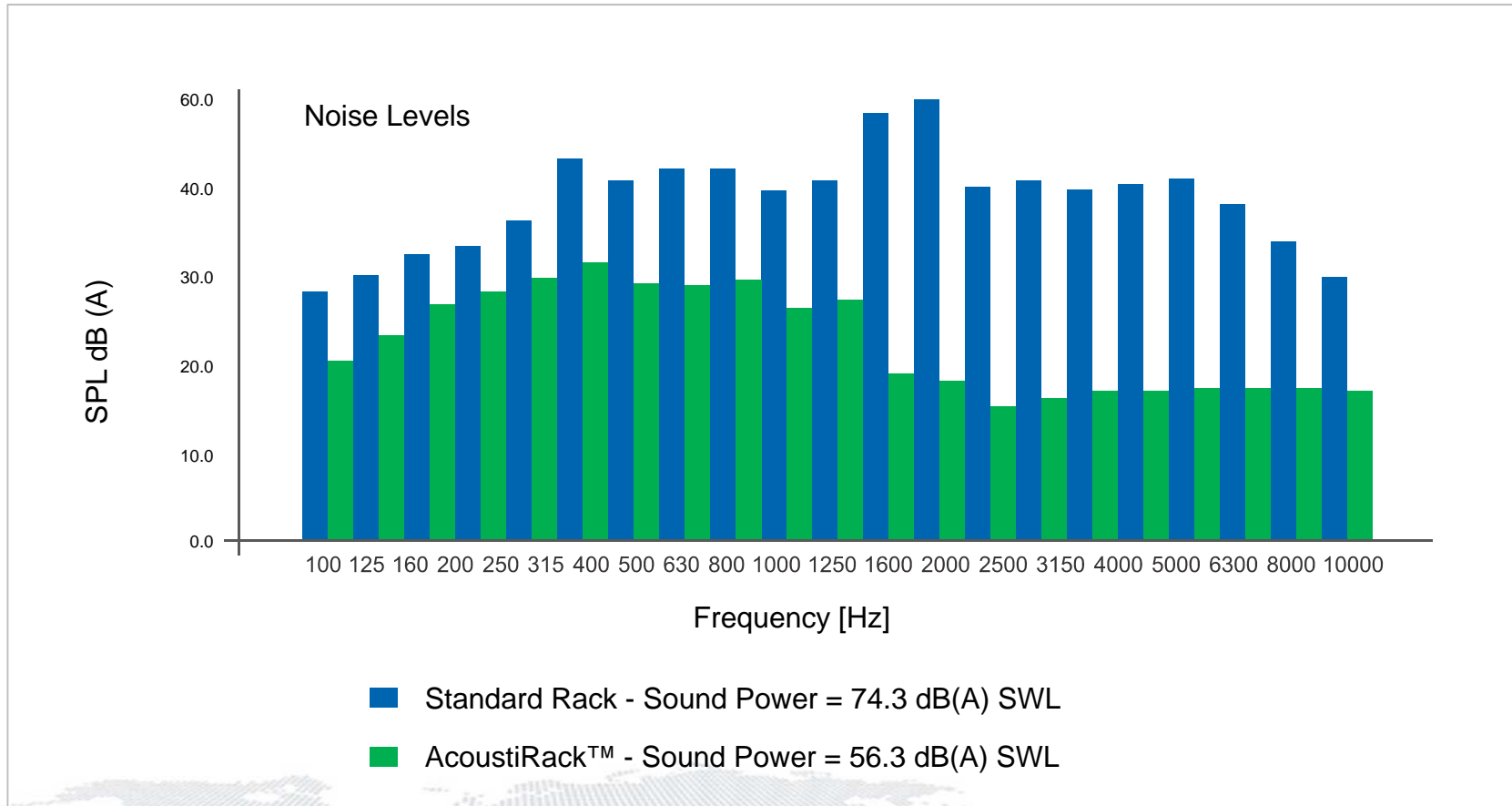


# ASFT™ - TECHNICAL DETAILS

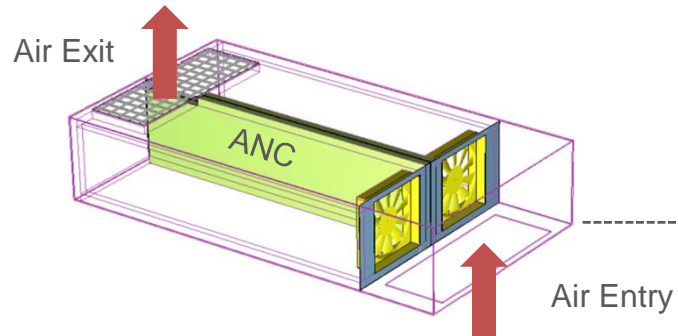




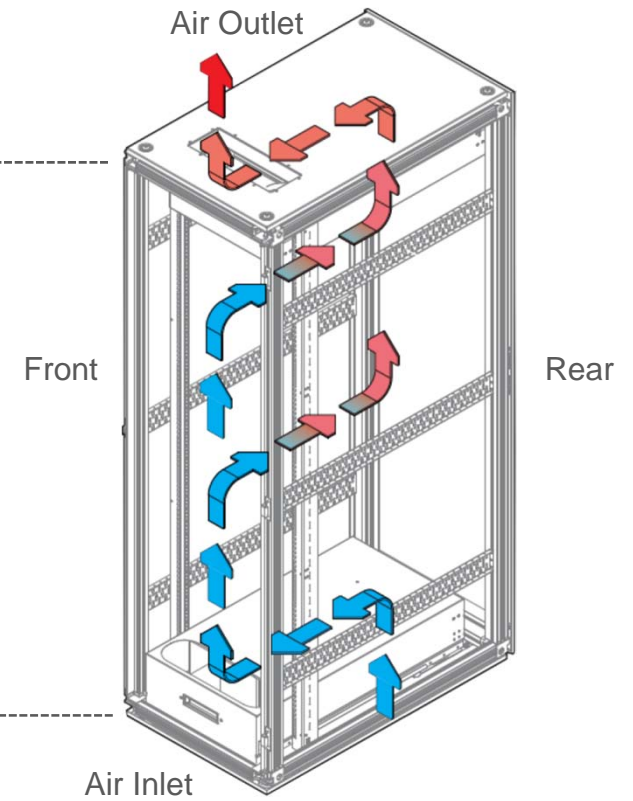
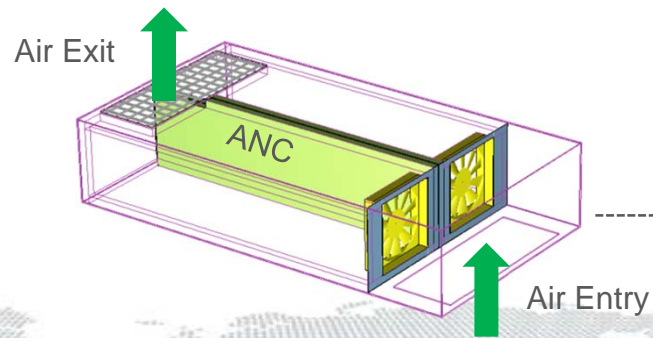
# Typical Test Reading of ANC Sound Power Level (SWL)



# Upgraded product Air Flow

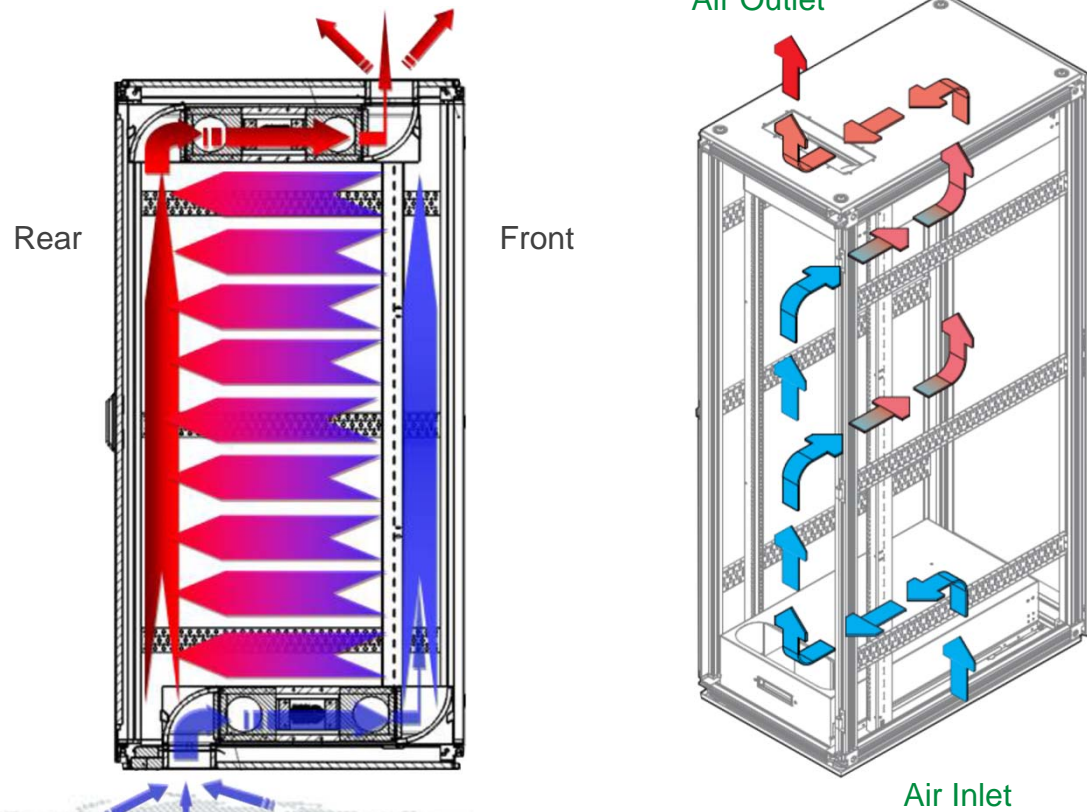


- Undisturbed air flow
  - No impact on original server heat dissipation capabilities
- Inlet air flow through dust filters
- Design to prevent hotspot within the rack



# Thermal Control

- Undisturbed air flow
- No impact on original server heat dissipation capabilities
- Inlet air flow through dust filters
- Design to prevent hotspot within the rack



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Question Answer Time...





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QMS ISO 9001:2008  
EMS ISO 14001:2004  
OHSAS 18001:2007



Presence: APAC, EMEA & SAARC Region.

