

# Business

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## Fact Sheet Destratification

### Overview

Destratification is the process of breaking down and balancing different temperature layers which naturally occur in every building between the floor and ceiling when heating or cooling is applied.

- The ultimate goal of destratification is to achieve a 0°C difference.
- To achieve this all air must be evenly circulated within an internal space otherwise temperature imbalances will occur.
- Destratification can also be used to move/prevent excessive temperatures from specific areas.

### Benefits of Destratification

- Reduces heating and/or cooling costs by 20% - 50%
- Reduces CO2 emissions by 20% - 50%
- Maximises comfort levels
- Recycles heat from machinery, lighting & solar gain
- Reduces condensation
- Manages warm air flow
- Increases lighting lifespan

### Destratification Units

- Small, versatile and unobtrusive as well as being simple to install with no ducting required.
- Can be stand alone or integrated with an existing Building Management System (BMS).
- Maintenance is minimal and factory pre-heat time is reduced by up to 60%.
- Work alongside and reduces wear on all HVAC systems.
- Destratification is also eligible for carbon reducing grants / loans.
- A typical system can lead to a 20% - 50% reduction on energy bills.
- Typical ROI can be between 8 to 12 months.