

## Nidderdale High School and Community College

Education  
Case Study



“ Providing refurbishment solutions to maximise cost efficiency through enhanced AHU performance

### THE PROJECT

Our air handling unit team were urgently contacted to resolve an AHU heating failure and develop an upgrade & refurbishment solution at Nidderdale High School & Community College

### THE SOLUTION

The original gas burner and associated components were identified as being beyond repair and obsolete. To extend the lifecycle of the unit, the team retro-fitted a new high-efficiency burner, making the necessary alterations to the original casework and also re-sealed all AHU panels to improve leakage levels and weatherproofing.

To maximise AHU performance, the existing belt-driven fan was upgraded to a highly energy efficient EC plug fan. By removing the belts and pulleys, the requirement for ongoing unit maintenance was reduced and the risk of future unit failure also minimised by the elimination of several potential failure points.



- ✓ Ultra Cost Effective
- ✓ Maximum Energy Efficiency
- ✓ Extended Unit Lifecycle
- ✓ Reduced Maintenance
- ✓ AHU Future Proofing