

APL Case Study

Project: **Birmingham Energy Innovation Centre**

Date: **2020**

Background:

- APL were engaged to provide a non-combustible construction solution to meet challenging acoustic and thermal performance requirements for the roof and walls
- APL were able to meet the clients requirement for matching solid and perforated profiles
- APL provided all structural, thermal and acoustic calculations

Systems:

- 2,000m² of APL built-up pre-coated aluminium roof system, using the sinusoidal AP18HR and trapezoidal AP31/1000RR profiles
- 1,300m² of APL built-up aluminium wall system, using the sinusoidal AP18HR and AP45HR profiles with both pre-coat and PPC finishes
- 800m² of APL perforated aluminium wall system, using the AP45HR-Airwall™ profile with a PPC coating
- Bespoke featured fins in aluminium with an anodised-look PPC coating
- APL Tritherm™ GALV sub-framing
- All flashings, fixings and accessories

Building Location:

- Birmingham