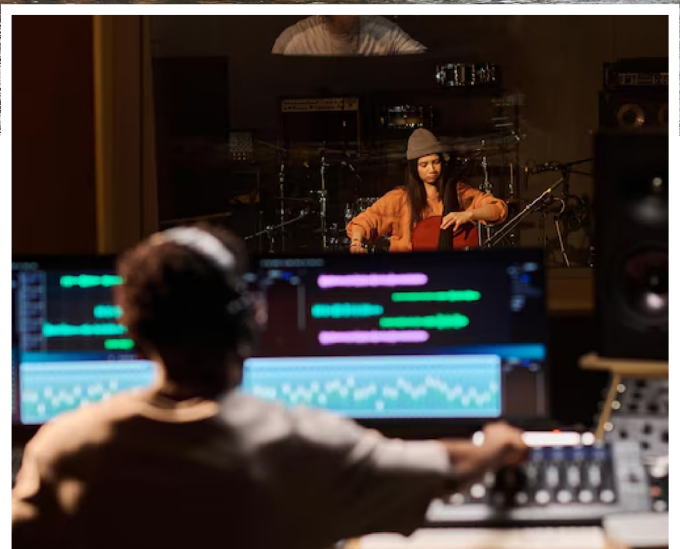# AirCraft
Air Handling

THAMES HOUSEBOAT

A reverse-cycle AHU for a Thames Houseboat
Across the UK, there is a wide range of professional recording studios, the most well-known being Abbey Road Studios in St John's Wood, London, and famous film studios like Pinewood and Shepperton.

Aside from these large commercial spaces, there are countless small professional sound and video studios across the country. Today with the recent growth in podcasting, there are now also specialist studios providing creators with everything they need for online publishing.

Virtually all recording studios require air conditioning and ventilation. Because these spaces are sealed to prevent external noise—and to stop sound leakage from disturbing the immediate vicinity—fresh air must be mechanically supplied. To ensure a constant flow of fresh air, an efficient Air Handling Unit (AHU) is essential. AirCraft Air Handling is a UK located AHU manufacturer with significant experience in manufacturing reverse-cycle AHUs, of the type required for studios, we design, manufacture and install/commission new units or supply the AHU unit directly to an installer.

Typical recording studio

While most recording studios are found in traditionally constructed buildings, AirCraft Air Handling was recently commissioned for a truly unique project: a houseboat moored on the River Thames. We designed and manufactured a bespoke, reverse-cycle AHU to meet the client's highly specific requirements.

Crucially for this environment, the AHU was required to provide fresh, tempered air at a low velocity to avoid any background noise interference. The unit was also supplied with onboard controls and custom-engineered to fit within the physical constraints of this unique riverside location.

As with most contracts of this kind, we manufactured the AHUs at our premises in Stafford and delivered them to site for the client's contractor to install. We also attended the site for commissioning and testing, prior to the AHU being placed into service.