Finnair has modified two Airbus A330 wide-body aircraft for cargo use by removing economy class seats from the cabin. The modification project was led by a specialist in aircraft weight and balance, who designed the cargo layout to maximize efficiency. The weight of people and cargo is a critical consideration for freight operations, as it affects both the operational costs and the market demand for cargo transport.

The Airbus A330-200F is a freighter version of the passenger aircraft, designed specifically for cargo transport. It offers a flexible and technologically advanced cargo system that can meet the needs of various cargo markets. Based on the highly successful A330-200, the A330-200F is the only new mid-sized, long-haul freighter on the market. This makes it a competitive option for airlines looking to expand their cargo operations.

Getting to grips with aircraft weight and balance is crucial for ensuring safe and efficient operations. The weight and balance system (WBS) is an on-board system that measures gross weight and centre of gravity in real-time, providing pilots with the necessary information to make informed decisions during take-off and flight. The weight and balance system is an essential tool for managing load and balance in commercial aviation, ensuring that the aircraft is operated within its design limits and remains safe and stable in all flight conditions.