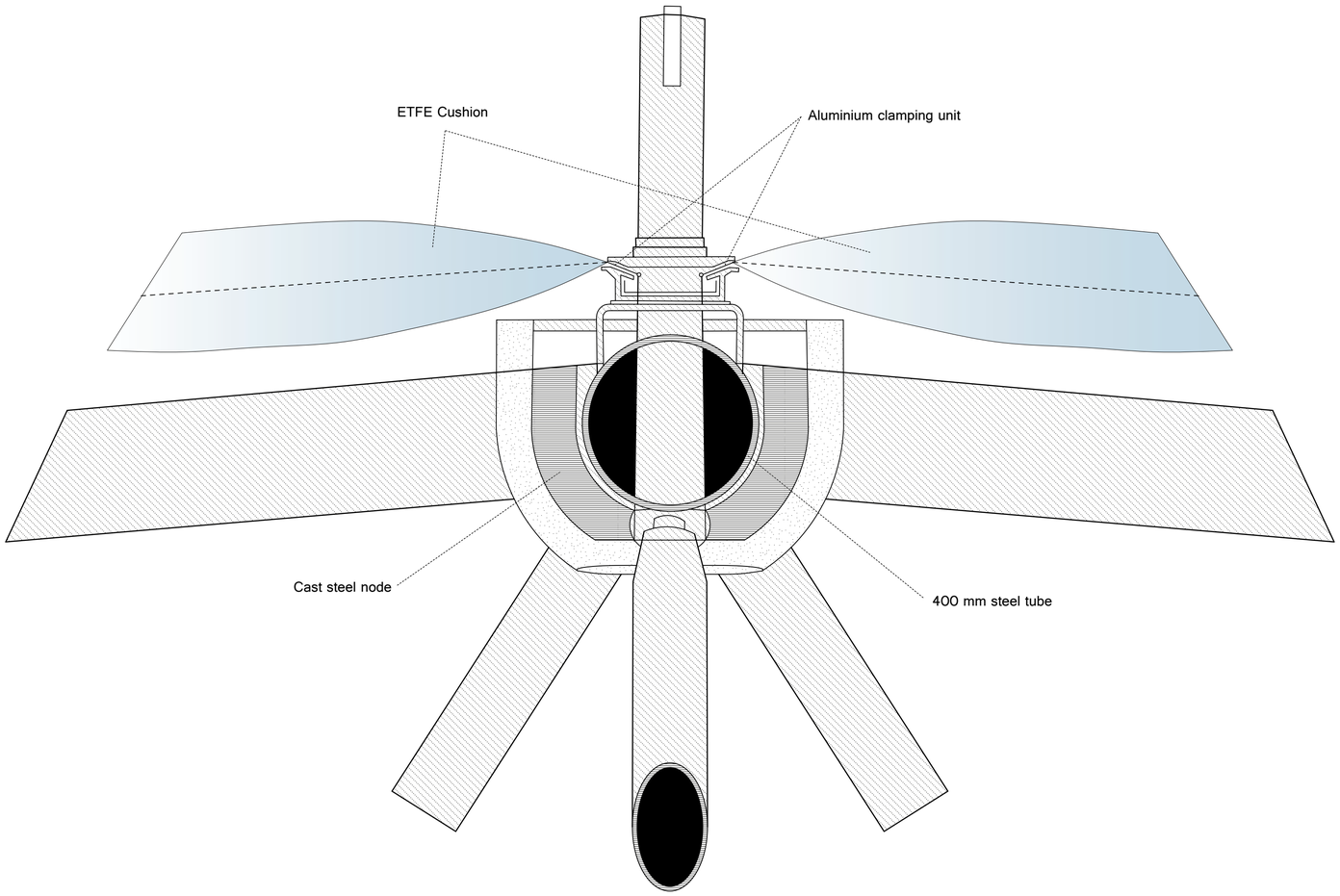
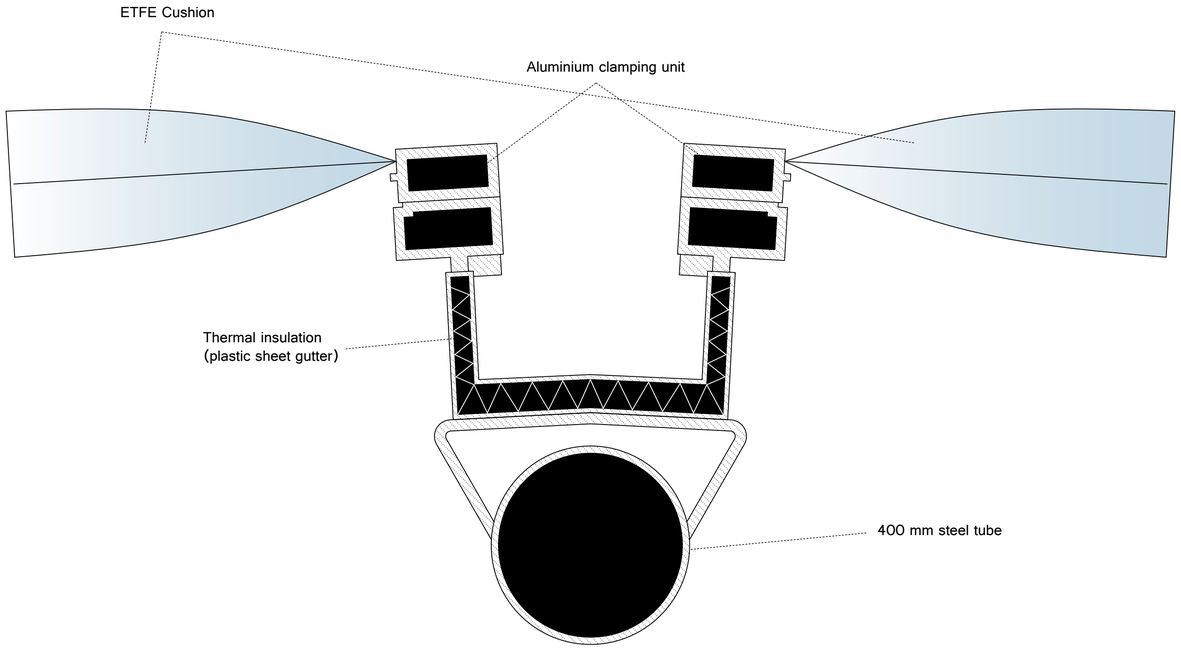
EDEN PROJECT,
GRIMSHAW ARCHITECTS





The Eden Project by Nicholas Grimshaw utilises the advantages of ETFE Film in constructing a light and heat efficient envelope which comprises a large tropical garden.

The facade is shaped by 3-layered ETFE-pillows filled with low-pressure air. This kind of design allows a required amount of light and heat to pass the edifice in order for vegetation to thrive.

Additionally the structure is extremely light, environmentally friendly, cost efficient, sustainable and long-lasting.

In double- or triple layered system the U-Value is approximately 0.35 and is an extremely efficient insulator therefore.

The ETFE pillow system is generally supplied by one or more inflation units. Each unit consists of two redundant blowers forming a backup system for guaranteed structural stability. The air when entering the machine will be dried to avoid condensation within the cushions. A series of pressure sensosr will continuously monitor the internal pressure of the pillows.