

## CASE STUDY: TASKER MILLWARD SCHOOL AIRDOME

### The Client

Tasker Milwood School is located in Haverfordwest, Pembrokeshire, South West Wales, and educates over 1,000 students. The sports facilities offered by the school are second-to-none and an air supported sports dome, referred to as The Dome, containing three tennis courts and a multi-sports area covering a total area of 2052m<sup>2</sup>, sits at the heart of the school's sporting prowess.

### The Challenge:

Sadly due to a combination of vandalism and lack of maintenance, the original air dome collapsed and was rendered irreparable. Up to that point it had been a key facility for the school so the manufacture and installation of a new dome quickly was imperative to the day-to-day running of the school. As no drawings existed of the critical details, J & J Carter undertook a site survey, measured and drew up everything from scratch including updating some of the details.

### The Solution

As a specialist contractor J & J Carter were able to design, manufacture and install a sustainable replacement membrane within a short time frame. Starting with a site survey, J & J Carter took full design responsibility, and due to the sheer size of the dome it was fabricated off-site in manageable sections with each section site jointed to its neighbouring section with a mechanical joint. The total weight of the membrane was 6.5 tonnes which had to be inflated to the required pre-stress and form.



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