

Premium private mooring for estuary with high tidal range

Tregothnan Estate, Cornwall



In 2019 Walcon Marine was approached by the historic Tregothnan estate on the River Fal in Cornwall looking for a high quality berthing solution to meet a specific need. With the estuary well known for its large tidal range the estate required a berth for a motor yacht that would enable it to be afloat and accessible from the shore at all states of the tide.

Given the profile of the river bed this meant that a long structure would be needed to reach a mooring pontoon out in the main channel. This in turn required a design that would be capable of withstanding the local winds and the impact of debris carried up and down the river.

With a combination of powerful tides and the wooded nature of the River Fal this presented a very real risk. With these challenges in mind plus a brief for a working life of at least 20 years the Walcon design reviewed a range of alternative solutions. The berthing pontoon was to be positioned off a stone boathouse (pictured

above and below) directly on the River Fal, but from there to the channel is around 50 metres and the distance magnified the already considerable challenges. A continuous walkway of pontoons out to the berth would be very exposed to the tidal currents and piling was not a realistic option given the rocky river bed.



