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Company of
Shipwrights

Case Study - Daniel Hewett – Apprentice Marine Engineer (funded 2018-19)

Energy Solutions

www.energy-solutions.co.uk

Since becoming an Apprentice at Energy Solutions, I have already expanded my knowledge massively in areas such as DC Distribution, AC Distribution, Control Panels, Fascias and other marine related builds.

At the earlier stage of my apprenticeship I found myself assembling Bilge Control modules to a cable loom which was made by myself in the workshop. From this I progressed onto making small macerator control boxes, bilge control boxes and other similar small panels.

I used the knowledge from these smaller panels to move onto bigger AC and DC Distribution panels which are very essential and important builds for clients such as Fairline, Numarine and Spirit Yachts. I managed to expand my electrical knowledge and mechanical knowledge to produce a good standard of work that gets inspected, tested and sent to our customers and used today in new yachts.

Alongside working with breaker panels in the workshop I also study engineering electronics at college at level 4 this helps me to learn about the theoretical, scientific and mathematical side to engineering and how important calculations are made to determine materials, choice of positioning of components and the safety behind electrical equipment.

I have very much enjoyed the past year as an apprentice here and I have gained a great knowledge so far within the marine electrics' spectrum. I look forward to expanding on my knowledge by doing an on-site visit which I haven't yet done. This would help me to understand further how all the panels we make are implemented within each customers' yachts.

I hope to keep progressing further in the marine electrical industry and use the skills to learn about the testing side behind marine electronics and possibly the designing stage so I could be designing the electrical circuits and customer interaction panels myself.

Daniel Hewett – Energy Solutions

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