



# Digital Technology Internship Placement

## Employer Information:

'Made Smarter' is a Government funded programme, matching your expertise, skills, and insight to help North West businesses implement digital tools. You will be working on a live project while gaining valuable experience for your C.V.

**Placements are open to 3<sup>rd</sup> and 4<sup>th</sup> Year Undergrads, MSc, and Postgraduate Students**

## Placement Information

<b>Job Title:</b> <b>Reference: 19714Z</b>	Product Engineering and Design Project
<b>Business Overview</b>	<p>The company is a family-owned industrial roofing and canopy manufacturer who has been in operation for over 30 years. At their manufacturing facility in Birchwood, Warrington, they design and manufacture a range of roof glazing products and fabricated canopies for use in rail, education, retail, and healthcare.</p> <p>Primarily canopy products are manufactured from aluminium sections. Their roof glazing products can be supplied in polycarbonate and glass with polycarbonate being the main glazing that they promote.</p> <p>Their vision is to use technology to automate the standard elements of what they do within their manufacturing processes, which will allow them to focus on adding value through bespoke manufacture.</p>
<b>Location:</b>	Birchwood, Warrington, WA3 6WU
<b>Number of posts:</b>	ONE
<b>Job Description:</b>	<p><b>Project Overview:</b></p> <p>The project is to review all current connection details for their canopies with a view to improving the ease of manufacturing. e.g engineering out welds where appropriate and implementing / improving mechanical fixes.</p> <p>The successful candidate will be responsible for reviewing the overall product design of their prefabricated panel system to aide automation of manufacturing processes.</p> <p><b>The project objectives are as follows:</b></p> <ul style="list-style-type: none"><li>• To produce a suite of designs ready for die cutting</li><li>• A list of approved mechanical fixes and proposed list of suppliers</li><li>• A panel product re: design proposal finalised ready for sample ordering and testing</li></ul>

	<p><b>The work plan:</b></p> <p>Month 1 – Liaise with client resource to gather work done so far. Assess existing product designs and connections. Engage with structural engineers.</p> <p>Month 2 – Source any non-client product component samples for testing. Produce 3D models for panel proposals. Work with structural engineers to verify any design changes. Start work on updating workshop manuals for connections.</p> <p>Month 3 – Finalise all workshop manuals with new agreed details ready for training roll out, implement any updates into current manufacturing paperwork and systems.</p>
<p><b>Expected areas of knowledge:</b></p>	<ul style="list-style-type: none"> <li>• Product Engineering</li> <li>• Product Design</li> <li>• Auto CAD 2D and/or 'inventor'</li> </ul> <p>In addition to the technical skills outlined above, they require a candidate who is self-motivated, confident and has good communication skills.</p> <p>It would be beneficial if they had some commercial awareness.</p> <p>Experience of roofing and canopy manufacture is <b>not</b> essential</p>
<p><b>Salary:</b></p>	<p>£12.00 p/h (£5,760 per placement)</p>
<p><b>How to apply:</b></p>	<p>By e.mail to Amanda Lyons, Made Smarter DTI Placement Manager at: <a href="mailto:amanda.lyons@growthco.uk">amanda.lyons@growthco.uk</a></p>
<p><b>Placement Start Date:</b></p>	<p>As soon as possible – Sep 2021</p>
<p><b>Duration of Placement:</b></p>	<p>480 Hours on a full-time, part-time, or flexible schedule</p>
<p><b>Additional Info:</b></p>	<p>You will be required to register your interest in a Digital Technology Internship with Made Smarter on our website at: <a href="http://www.madesmarter.uk">www.madesmarter.uk</a></p> <p>C.V's can be uploaded at the point of registration or forwarded directly. Your details will be stored to allow us to contact you for any future suitable opportunities.</p>