

4c Engineering is a company of innovative engineers providing mechanical and industrial engineering design solutions along with project management to produce commercially successful products and support clients across a range of industries.

Our engineers are experienced in solving complex engineering problems in order to deliver practical and straightforward design solutions using a multi-disciplinary approach.

We offer a flexible service, including provision of turn-key design solutions to meet our clients' needs or providing skilled engineers and draftsmen to work within client teams.



Mechanical Engineering Design	CAD Services
<p>We excel at solving complex engineering problems, combining practical experience with first principles calculation and CAD techniques.</p>	<p>We take pride in the quality of our drafting, with all drawings checked thoroughly to ensure correct fit, tolerances and manufacturing details.</p>
<ul style="list-style-type: none"> • Advanced engineering calculation • Load derivation • Component & system design • FEA & structural analysis • CFD, fluid flow & thermodynamics • Numerical system modelling and simulation • Mechanical design to appropriate BS or DNV/Lloyds offshore standards • Reverse engineering & preparation for manufacture 	<ul style="list-style-type: none"> • 3D CAD modelling • 2D engineering drawings to BS 8888 and other relevant standards • EC&I drawings • CAD software includes SolidWorks, Inventor & AutoCAD • GIS mapping & layout plans • Complex surface modelling
Concept Dev, Prototyping & Testing	Mechatronics, Control & SCADA
<p>At 4c, we can take forward your ideas from first principles through to an optimal solution ready for manufacture.</p>	<p>Our multi-disciplinary engineering team can develop fully integrated complex systems combining mechanical design, electronics and software.</p>
<ul style="list-style-type: none"> • Initial concept generation and brainstorming • Concept development, evaluation and refinement • Operating requirement and environment definition • Physical prototyping & model-making • Design of test rigs & test procedures • Data analysis & interpretation of prototype tests 	<ul style="list-style-type: none"> • Integrated mechanical and electronic systems • Robotics • Process control & instrumentation • SCADA systems • Control and monitoring software

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