

# Naked Energy.

<b>Position:</b>	Senior EC&I Design Engineer
<b>Reports to:</b>	Principal Mechanical Design Engineer
<b>Location</b>	Crawley. We encourage everyone to be in an office for 40% of their working hours, but provide flexibility with this dependent on personal circumstances and geographical location. We are very happy to discuss this, so when applying please let us know what you might need if you joined us.
<b>Hours</b>	Full time

Naked Energy is a UK based cleantech business, operating globally. We are on a mission to change energy for good by helping to enable the transition to a zero-carbon future.

At the core of Naked Energy's offering is Virtu® a unique solar technology. Virtu has consistently exceeded expectations both in terms of energy density and in winning recognition from CIBSE, Shell, BEIS and the European Institute of Innovation. You can learn more about us and our technologies at [www.nakedenergy.com](http://www.nakedenergy.com)

Following a successful series B fundraise we are at the start of a very exciting period of growth, and are looking to expand our already very talented teams. We are very proud of the people we have in the company, and are excited to bring in additional individuals that we can support and develop as the company grows.

Working with us will provide you with exposure to high-profile clients, collaboration with hugely engaging, knowledgeable and supportive colleagues and a strong network of partners, all with a passion for tackling climate change and a commitment to sustainability.

Regardless of background, we welcome all to build a diverse and inclusive community within Naked Energy. We aim to provide an open and positive working environment that encourages individuals to utilise their experiences and perspectives to help Change Energy for Good.

For an insight to what it's like working with us, have a look at what our team have to say. <https://youtu.be/PnHbe1FT8Eg>

<b>Purpose of role:</b>	<p>Naked Energy is seeking an experienced electrical engineer to produce the design of renewable energy systems on commercial and industrial buildings. The designed systems will comprise Naked Energy's Virtu solar heat and power technology, which may be paired with heat pumps, thermal storage, PV and other low carbon technologies to provide low-carbon and carbon-free energy systems for C&amp;I clients.</p> <p>The successful candidate will work within a small team and be responsible for the design of projects from conception to completion, drawing in external</p>
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	<p>engineers from mechanical, structural and other disciplines as required. They will prepare costed designs of renewable heat and power systems, including SLDs &amp; wiring schematics for control systems, key component sizing and selection, electrical load schedules, specifications, CAD design. They will pay close attention to the health and safety aspects of the design and will be able to support more junior members of the team.</p> <p>The senior EC&amp;I design engineer will also produce reports, participate in client meetings, and engage construction partners to develop projects for costing and estimating.</p>
<p><b>Role Responsibilities:</b></p>	<ul style="list-style-type: none"> <li>• Develop electrical designs from initial concept through to construction level of design detail</li> <li>• Manage the design specification for control panels with our respective supply chain</li> <li>• Grow a small team of electrical &amp; controls design engineers as part of the wider design team development</li> <li>• Support the development of junior engineers</li> <li>• Work alongside other disciplines including architects, mechanical engineers, structural etc.</li> <li>• Work to and uphold the highest health and safety standards through CDM regulations, including other local regulations and standards depending on project geography</li> <li>• Present to clients, delivery partners and other stakeholders, within the UK and internationally</li> <li>• Feedback to product and software teams to propose product improvements that can improve system performance and better fulfil client needs</li> <li>• Work closely with Naked Energy's commercial team to provide technical support and promote deal flow</li> <li>• Continuously work to develop and improve internal design processes</li> </ul>
<p><b>Person Specification:</b></p>	<ul style="list-style-type: none"> <li>• 5-7 years + experience as an EC&amp;I design engineering-based role</li> <li>• Confident producing designs up to RIBA stage 4 through to construction</li> <li>• Knowledge of standards and regulations for LV (essential) systems and HV (desirable) including 18<sup>th</sup> Edition wiring regulations &amp; BS 7671</li> <li>• Knowledge and understanding of control systems for industrial and HVAC plant/equipment (BMS/PLC/SCADA)</li> <li>• Produce cable specifications Inc cable sizing</li> <li>• Experience in engineering drawing and design tools (e.g. Auto CAD Amtech)</li> <li>• Experience with power generation equipment</li> <li>• Experience in HVAC and/building services/industrial processes, including heat pumps/chillers/boiler plant/CHPs</li> </ul>

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	<ul style="list-style-type: none"> <li>• Experience working with clients, architects, other engineering disciplines and construction companies</li> <li>• Able to support throughout project commissioning and testing phases during construction</li> <li>• Able to work in both project delivery and internal R&amp;D</li> <li>• Desirable: Experience in solar or other renewables</li> <li>• Electrical engineering degree or equivalent qualification (HND)</li> <li>• Be a Chartered Engineer or currently working towards completion with recognised engineering institution</li> </ul> <p>Should you need any support during the recruitment process please let us know. We are striving to make our company as inclusive as possible and that starts from our first interactions with you.</p>
<b>Remuneration:</b>	<ul style="list-style-type: none"> <li>• Up to £70,000 per annum</li> </ul>
<b>Benefits:</b>	<ul style="list-style-type: none"> <li>• Employee Share options</li> <li>• Discretionary bonus scheme</li> <li>• 25 days holiday + day off on your birthday</li> <li>• Enhanced company maternity/paternity pay</li> <li>• Paid time off for volunteering</li> <li>• Private Health Insurance</li> <li>• Employee Assistance Program</li> <li>• Salary Sacrifice schemes</li> </ul>