

# ROWAN HOLLIGAN

UK citizen / Aufenthaltstitel until 2031  
Böhmische strasse, 12055, Berlin  
rowanholligan@gmail.com  
+49 (0) 17642047887



I am an **experienced engineering manager** with a focus on **design**. I have led teams in fast-paced **agile environments** **developing high quality products** with a focus on B2B sales in the **tech space**. My passion for understanding and meeting my customer’s needs has led me to gravitate towards **product management**. I have worked as a consultant both independantly and for one **Europe’s largest** firms, developing excellent **stakeholder and project management** skills. An understanding of software development processes and web development languages round off my profile.

## EDUCATION

<b>MEng Mechanical Engineering with International Studies</b> University of Strathclyde, Scotland 2009 - 2014	<b>Master’s Project and Thesis:</b> <i>“Design and Build a Wind Turbine</i> Universitat Politecnica de Valencia, Spain 2014	<b>Full Stack Web Development</b> Career Foundry, Berlin, Germany 2023
---	--	--

## KEY SKILLS

<b>Project Management &amp; Consultancy</b> <ul style="list-style-type: none"><li>Proven ability to lead a team within multidisciplinary major projects. Experienced in planning work &amp; deliverables, setting progress milestones and deadlines</li><li>Experienced in waterfall and agile methods</li><li>External (client and supplier) technical management</li><li>Risk identification and control</li><li>Project definition and scoping</li><li>Ensuring compliance relevant directives / standards</li><li>Team management (department and project level)</li></ul>	<b>Product Management</b> <ul style="list-style-type: none"><li>Feature selection, definition, and prioritisation (MVP to MLP)</li><li>Product road mapping with stakeholders</li><li>Authoring and maintaining product documentation</li><li>Competitor and market analysis</li><li>Issue resolution and prioritisation (5 WHYS)</li><li>Customer feedback gathering, on-site workshops to identify critical needs and product issue identification</li><li>Data driven approach to feature and issue prioritisation</li><li>Budget management (PCM)</li></ul>
<b>Design and Engineering</b> <ul style="list-style-type: none"><li>Leading complex multi discipline projects</li><li>Design, construction and maintenance of mechanical, mechatronic, electronic, pneumatic, and hydraulic systems</li><li>Leading end-user workshops and issue resolution</li><li>User experience and human factors design</li><li>Automation of product testing and quality assurance</li><li>Functional safety design and analysis</li><li>R&amp;D and rapid prototyping (3D printing, hand tools, assembly)</li></ul>	<b>Product Standards and Directives</b> <ul style="list-style-type: none"><li>Responsible for the identification, selection and prioritisation of the directives and standards relevant to the product.</li><li>Led product compliance with EU directives for CE marking: Machinery, EMC, Noise, and Radio Equipment.</li><li>Significant experience with the following harmonised product, safety and EMC standards: ISO 12100, ISO 13849, IEC 62061, IEC 60335, ISO 3691-4, IEC 60204, IEC 61000, etc.</li><li>Compliance with UK nuclear regulatory assessment</li></ul>

## SOFTWARE

<b>PM + Docs</b> JIRA / Asana / Shortcut Trello / Ora Confluence / Notion
<b>Office</b> MS Office MS Project MS Visio
<b>Programming</b> HTML5 / CSS3 Javascript / React Node.js SQL
<b>Engineering</b> Solidworks Solidworks PDM Inventor / Fusion ANSYS
<b>LANGUAGES</b> English (Native) German (B2) French (Basic) Spanish (Basic)

SELECTED PROFESSIONAL EXPERIENCE

Self employed (2022-2023), Berlin DE

ROLE	PROJECT AND RESPONSIBILITIES	ACHIEVEMENTS
Design and business consultancy 2023	<ul style="list-style-type: none"><li>Engineering consultancy to startups and established business</li><li>Due diligence design assessment</li></ul>	<ul style="list-style-type: none"><li>Client cost reductions related to EMC compliance</li><li>Rapid delivery of projects to client needs</li></ul>

ENWAY GmbH (2019-2022), Berlin DE

ROLE	PROJECT AND RESPONSIBILITIES	ACHIEVEMENTS
Head of Hardware Engineering 2019 - 2022	<ul style="list-style-type: none"><li>Overall responsibility for product development (hardware, PLC &amp; embedded software, UX) of an autonomous electrical industrial sweeper robot (lead)</li><li>Product management (hardware, embedded software, UX, customer support)</li><li>CE and safety certification (lead)</li><li>Product vision and market research and workshops with leadership</li><li>Issue resolution and QA for deployments and production (lead)</li><li>Leadership of department and feature level teams</li><li>Management of design and production teams (circ. 15 people)</li></ul>	<ul style="list-style-type: none"><li>Rapid prototype development and deployment for initial customer testing and feedback</li><li>Complete design cycle to series production in 18 months</li><li>CE certification of the product in 18 months (including testing to ISO 61000 / IEC 62061)</li><li>60% reduction in customer issue reports by identifying and implenting critical fixes between prototype and series production</li><li>80% reduction in on-site commissioning time through process automation and simplification</li><li>40% reduction in production cost through feature prioritisation and part homogenisation</li></ul>

Self employed (2017-2019), Berlin DE

ROLE	PROJECT AND RESPONSIBILITIES	ACHIEVEMENTS
Design and business consultancy 2017 - 2019	<ul style="list-style-type: none"><li>Business and technical support to robotics startup (Berlin)</li><li>Detailed HVAC design for sports centre (UK)</li></ul>	<ul style="list-style-type: none"><li>Rapid prototype development and build for initial start-up project</li><li>Independent delivery of HVAC designs</li></ul>

WS Atkins (2014-2017), Bristol UK

ROLE	PROJECT AND RESPONSIBILITIES	ACHIEVEMENTS
Mechanical design consultant DEC 2016	<ul style="list-style-type: none"><li>Critical Assembly Building Design Evaluation</li><li>Design optimisation of existing systems to increase range of motion of overhead crane</li></ul>	<ul style="list-style-type: none"><li>Increased crane range of motion by &gt;60% in key zones &amp; reduced energy consumption</li></ul>
Mechanical design consultant SEP - DEC 2016	<ul style="list-style-type: none"><li>Furnace Process Building Detailed Design (RIBA Stage 4b)</li><li>Completed design of process cooling and ventilation systems (normal and emergency), HVAC, and plumbing systems</li></ul>	<ul style="list-style-type: none"><li>Completed 3D Revit model to stage 4b requirements</li><li>Project delivered on time, to budgetary and quality requirements</li></ul>
Mechanical design team lead JAN - DEC 2016	<ul style="list-style-type: none"><li>Main Site Command Facility Detailed Design (RIBA Stage 4a)</li><li>Responsible for all mechanical systems and deliverables and liason with the project director and client authority</li></ul>	<ul style="list-style-type: none"><li>Responsible for delivery of £3.2m mechanical services. Won £80k for advanced delivery of mechanical long lead items</li><li>Received bonus &amp; promotion in recognition of performance</li></ul>
Mechanical design consultant SEP-DEC 2016	<ul style="list-style-type: none"><li>The Rutherford Cancer Centre, South Wales (RIBA Stage 4a)</li><li>Assistant designer of HVAC, medical gases, radiological assessment for proton beam therapy unit.</li></ul>	<ul style="list-style-type: none"><li>Delivered mechanical services design for first-of-kind clinic in the UK on time and within budget</li></ul>
Assistant Project Manager NOV 2014 - DEC 2015	<ul style="list-style-type: none"><li>Nuclear Major Projects Team</li><li>Project management support and client team liason</li></ul>	<ul style="list-style-type: none"><li>Improved project processes and compliance</li><li>Developed data driven approach to staff on-cost tracking to reduce errors in accounting</li></ul>