

Job ref.	TBD	Job family	Research & Development
Version date	19-Feb-21	Functional area	Research & Development

# Equipment Analytics Intern / Data Engineer Intern/ for Marine

Company	Join ABB and work in a team that is dedicated to creating a future where innovative digital technologies allow greater access to cleaner energy.
General information	We are looking for an intern who will help us with several projects related to marine industry. The projects are related to data obtained from RDS tool. The RDS tool – Remote Diagnostic System for Marine is a system which is already installed worldwide on board of over 200 vessels. Dedicated solutions enable monitoring of physical assets in the power and propulsion chain, allowing to reduce or prevent downtime. To strengthen our condition monitoring team for marine electrical equipment, we are looking for Equipment Analytics Intern/Data Engineer Intern with knowledge across several disciplines e.g. rotating machinery, performance monitoring, predictive maintenance, data engineering. Seize this unique opportunity and see your work transformed in a tangible product.
We offer	<ul style="list-style-type: none"> <li>• Paid internship</li> <li>• Flexible working hours</li> <li>• Remote work</li> <li>• Opportunity to gain experience in an international company</li> <li>• Participation in research in marine engineering domain</li> </ul>
Your responsibilities	<ul style="list-style-type: none"> <li>• Data processing e.g. cleansing, contextualization, labelling, extracting</li> <li>• Interpreting data, analyzing results using statistical techniques</li> <li>• Performing periodic and on-demand reports with results</li> <li>• Participate in improving processes and IT/hardware solutions such as database maintaining</li> <li>• Developing and maintaining codes</li> <li>• Proposing, developing and validating models (e.g. machine learning, random trees, regression, etc.) which could be implemented for equipment diagnostics or marine related analytics such as condition assessment, predictions, fleet benchmarking, fleet statistics, journey patterns or trends etc.</li> </ul>
Your background	<ul style="list-style-type: none"> <li>• 4<sup>th</sup> or 5<sup>th</sup> year student in Computer Science, Mathematics and Statistics, Engineering or equivalent</li> <li>• Good, practical level of knowledge of modern statistical and machine learning methodologies</li> <li>• Practical experience in working with data flows, storage and processing in modern cloud architectures (e.g. Azure)</li> <li>• Knowledge of Python and experience using Numpy, Pandas and scikit-learn (eventually Matlab/R/C#)</li> <li>• Experience with version control systems (e.g. Git) and Cloud Computing Services (e.g. Microsoft Azure)</li> <li>• Strong oral and written communication skills in English</li> </ul>

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	<ul style="list-style-type: none"> <li>• Knowledge of Power BI would be an advantage</li> <li>• Knowledge of marine domain and/or basic knowledge of industrial automation systems would be an advantage</li> </ul>
More about us	<p>Bring your very own sense of pride and purpose as you help us drive forward the Fourth Industrial Revolution – creating a sustainable future for our planet, and your career. Join ABB and harness the power of our diverse global network, as you collaborate with and learn from our world-class teams. Above all, challenge yourself every day. Let’s write the future, together.</p> <p><i>&lt;Insert country-specific boilerplate (1-2 sentences only)&gt; {optional}</i></p> <p><i>&lt;insert country-specific legal statement eg: EEO/data privacy&gt; {where required}</i></p>

Guidelines:

- All fields in yellow should be populated with relevant information
- Text in bold is fixed and should not be edited or removed
- Your responsibilities should be no less than six and no more than ten bullet points. The final bullet point regarding safety and integrity must not be edited or removed.
- Your background should include no less than five and no more than eight bullet points.