



2019-PTT-C-000-013229

**Data mining and market research for
performance assessment of hydrogen and
fuel cell technologies**

<p>Position for:</p> <p>Trainee</p>	<p>As the science and knowledge service of the Commission, the mission of Joint Research Centre is to support EU policies with independent evidence throughout the whole policy cycle.</p> <p>The JRC is located in 5 Member States (Belgium, Germany, Italy, the Netherlands and Spain). Further information is available at: http://www.jrc.ec.europa.eu</p> <p>The traineeship is within the Energy Storage Unit of Directorate C - Energy, Transport & Climate. The Unit performs scientific research into energy storage technologies in support of European energy and transport policies. This includes battery technologies, hydrogen storage, distribution and sensing, and electrochemical conversion in fuel cells. Particular attention is given to the establishment of harmonized methods for characterizing the performance of the technologies in terms of efficiency, emissions, reliability and safety.</p> <p><u>Short description of activity:</u></p> <p>A specific activity within the Unit is performing technology monitoring and performance assessment activities for a variety of technologies in the hydrogen and fuel cell chain. The trainee will contribute to:</p> <ul style="list-style-type: none">• providing an overview/mapping of the international state-of-the-art (SoA) for selected technologies• executing a data gathering and analysis exercise of the SoA of key performance indicators (KPI) for selected technologies via literature review and market research• refinement of methodologies for selecting KPIs, defining SoA and setting future targets for technology performance
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	<p><u>Qualifications:</u></p> <p><u>Essential:</u></p> <ul style="list-style-type: none"> • University degree in a relevant field (e.g. science, engineering) • Good understanding of the fundamental working principles of hydrogen and/or fuel cell technologies • Good knowledge of spoken and written English (level B2) <p><u>Advantage:</u></p> <ul style="list-style-type: none"> • Working experience with hydrogen and/or fuel cells is advantageous • Successfully completed university course(s)/project(s)/thesis on hydrogen and/or fuel cell technologies is advantageous <p><u>For general eligibility requirements, please read the rules governing the traineeship scheme of the JRC:</u></p> <p>https://ec.europa.eu/jrc/en/working-with-us/jobs/temporary-positions/jrc-trainees</p>
Unit /Directorate	<p>Directorate C – Energy, Transport & Climate JRC.C.1 Unit – Energy Storage</p> <p>Further information: https://ec.europa.eu/jrc/en/research-topic/hydrogen-and-fuel-cells</p>
Indicative duration	5 months
Preferred starting date	As soon as possible
JRC Site	Petten
Country	THE NETHERLANDS
<u>JRC contact details</u>	<p>For any technical problems with your application, please contact: HR-AMC8-RECRUITMENT-TOOLS-SUPPORT@ec.europa.eu</p>