

Antoine Belleguie

Research Engineer - PhD Candidate | Alstom & Gustave Eiffel University

Research Engineer in Green Traction at Alstom and Doctoral Student at the Gustave Eiffel University. My research focuses on the energy transition of rail transport (hydrogen, batteries, biofuels).

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Core business

PHASE 2 Skill development

I consistently evaluate my skills and experiences, adjusting my career goals as necessary to stay aligned with the evolving landscape of green traction technology. I am committed to lifelong learning and regularly acquire new skills to keep pace with the rapidly changing knowledge and needs in the field of green traction technology. I have the ability to transition from a technical expert to a managerial role.

PHASE 1 Evaluation

Through my Ph.D. and research work at ALSTOM, I have had numerous opportunities to evaluate technical documents, judge my own work, present my ideas to critical audiences, and evaluate the work of others. These experiences have honed my skills in critical analysis, presentation, and peer-review. I continue to develop these skills as I progress in my career.

PHASE 1 Information management

I am proficient in reviewing the state of the art in green traction technology, keeping abreast of the latest advancements and trends in the field. I employ efficient information-gathering methods and identify relevant resources, with a particular focus on bibliographic resources. I am adept at web-based research, utilizing bibliographic and patent databases to gather and analyze information. I have the ability to assess the relevance of information, critique sources, and verify the reliability of sources.

PHASE 2 Expertise and methods

I stay updated with the latest advancements in green traction technology and related fields, ensuring my research is informed by the most recent progress. I actively engage in dialogue and collaboration with experts from various disciplines, fostering a multidisciplinary approach to problem-solving. I take ownership of new research methods and techniques, incorporating them into my work to enhance the quality and impact of my research. I have the ability to formulate complex problems that correspond to new challenges in the field of green traction.



Personal and relational qualities

PHASE 3 Communication

I am frequently consulted for my expert opinion on key issues in the field of green traction. I strategically select content, register, and communication channels that best serve my objectives and the specific circumstances. I utilize national and international media platforms to disseminate my research findings and contribute to the discourse on green traction technology. I

am proficient in managing and negotiating complex matters in English and at least one other world language, enabling effective international collaboration. I initiate and promote actions to disseminate knowledge, contributing to the advancement of green traction technology and fostering a culture of learning and innovation.

PHASE 2 Collaboration

I collaborate with individuals and teams who are key players in the global arena, contributing to the advancement of green traction technology on a global scale. I lead professional networks and facilitate dialogue between diverse entities, fostering collaboration and knowledge exchange. I am capable of co-producing results and innovations, working collaboratively with others to drive progress in the field of green traction.

PHASE 1 Analysis, synthesis and critical thinking

I critically analyze my own research findings as well as those of my peers, ensuring a comprehensive understanding of the field. I have the ability to synthesize complex information and express key ideas clearly, facilitating effective communication of research findings. I can sort and rank information according to the specific goal, ensuring that the most relevant and important information is prioritized. I pursue my reasoning and hypotheses with an open mind, free from dogmatism or ideological bias, ensuring objective and unbiased research.

PHASE 2 Open-mindedness and creativity

PHASE 1 Commitment

I actively explore fields related to green traction technology, broadening my knowledge and fostering interdisciplinary understanding. I conceive new projects aimed at answering essential questions in the field of green traction technology, driving innovation and progress. I define and carry out innovative interdisciplinary projects, collaborating with contributors from various backgrounds to leverage diverse perspectives

PHASE 1 Integrity

I am self-aware and can clearly identify what motivates me in my work, which is primarily the potential of green traction technology to contribute to a sustainable future. I am resilient and able to maintain my commitment and motivation even when faced with challenges or setbacks. I strive for excellence in all that I do and show determination in pursuing my research goals.

PHASE 2 Balance

I am skilled in managing strong opposition, navigating conflicts and disagreements in a constructive and respectful manner. I leverage my strengths and work on my weaknesses to continuously improve and grow both personally and professionally. I have developed effective strategies for coping with the pressures of my career and personal life, ensuring that I maintain a healthy work-life balance.

PHASE 1 Listening and empathy

I possess strong active listening skills, enabling me to understand and respond effectively in a variety of situations. I have the ability to understand the needs and perspectives of individuals from diverse fields of expertise, occupations, and cultures. This understanding enhances my ability to collaborate effectively and drive innovation in my field.

PHASE 2 Negotiation

I am well-versed in various negotiating techniques, enabling me to effectively navigate discussions and reach mutually beneficial agreements. I strive to find win-win solutions in negotiations, ensuring that all parties involved benefit from the outcome.



Business management and value creation

- PHASE 1** Project management
- PHASE 2** Managing change
- PHASE 2** Managing risks
- PHASE 3** Decision-making
- PHASE 1** Obtaining and managing funding
- PHASE 2** People management
- PHASE 2** Producing results
- PHASE 2** Intellectual and industrial property
- PHASE 1** Customer focus



Strategy and Leadership

- PHASE 2** Strategy
- PHASE 2** Leadership