



CAREER OPPORTUNITIES EMEA

Belgium

If you would like to be considered for this position, please contact: Ingrid Nickmans, HR.
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Job Title **Materials Research Engineer**

Location Based in Leuven, Belgium

Department Engine

Reporting to Materials Research Manager

Team

The TEC Material Research team is a part of TEC center which is a division of the Engine BU. This team is mainly responsible for materials and media development and its qualifications. The main aim is to evaluate and validate materials and filter media to be used by the Engine and other BU's. Further we are supporting Engineering with technical issues related to materials.

Within the research scope of TEC Center, a Material Research Engineer interacts with various other Donaldson teams such as Engineering of different BU's and Corp Tec in US as well as external institutes, suppliers, costumers.

Responsibilities

Within the Materials Research Team, you will be mainly responsible for material programs primary for the Engine BU and support for other BU's and some other activities listed below in more detail.

- *Material Evaluation, Validation and Support:*
 - Prospect, set up specifications, managing validation and approval of new or changed materials (e.g. filtration media, liners, adhesives, rubber, steel, alloys, coating, paints).
- *Product Engineering and Plant Support / Consulting:*
 - Ensure, facilitate and maintain good efficient communication with plants, international entities and the Product Management team regarding materials, Substance Of Concern, test & evaluation methodologies;
 - Assist engineers to select material and predict feasibility and performances;
 - Present new technologies/development to customers.
- *Knowledge Management*
 - Support Knowledge management for Engineering concerning validation, selection and use of different materials.
- *Technologies / Synergies*
 - Keep up-to-date of new relevant technologies;
 - Identify, recommend and help to deploy new technologies to enhance our products and working practices;
 - Conduct Benchmarking.

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- *Plant & Purchasing support*
 - Co-operate with manufacturing, vendors and suppliers to improve processes (robustness), fix issues, reduce costs and support new product implementation (plant liaison). Maximize design for manufacture-ability;
 - Failure analysis;
 - Investigate field returned parts or parts failing during development. Identify root causes & recommend solutions.

Qualifications

- Master in Science/Engineering or Industrial Engineering.
- 5 years of experience in an engineering position working in team with plants and purchasing.
- Technical Skills:
 - Knowledge of Liquid and Air filtration applications is a major asset;
 - Good physics (mechanical, materials, filtration media) & chemical background;
 - Good understanding of Engineering & Manufacturing methods, capabilities and materials;
 - Strong in problem analysis and solving;
 - Statistical tools (6 Sigma);
- Good project Management skills;
- Proficiency in English. Good communication skills;
- Good commercial understanding of the overall program and balance between investment, risks and results;
- Complete understanding of company policies, operating systems and procedures.

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