

Job Title **Research & Development Engineer**

Job Description	<p>Within the R&D Department and integrated into the Mechanical Division, the Mechanical Engineer oversees the carrying out of Research, Development and Validation activities.</p> <p>The Mechanical Engineer must master the know-how, specific knowledge and best practices associated with his or her job:</p> <ul style="list-style-type: none"> ✓ General mechanics ✓ Principles of part sizing, dimensional chain calculations, RDM ✓ Knowledge of materials ✓ Production techniques: machining, injection, sheet metal work, etc. ✓ Technical expertise and development ✓ Management of subcontractors <p>You will also write the technical documentation associated with all these steps, and particularly that required for regulatory files.</p>
Type	Permanent contract
Salary Range	From €35.000
Bonus	From €3.000
Desired Start Date	As soon as possible
Job Location	Rouen
Business Trips Frequency	N/A
Required Profile & Desired Level of Education	<p>Within the R&D department, you will oversee the design of one or more mechanical sub-assemblies, from the specifications to the tests, through the CAD and prototyping stages. You will also write the associated technical documentation. Your work may involve feasibility studies as well as development and industrialization.</p> <p>You have a minimum of 5 years of higher education in mechanics and can demonstrate 5 years' experience in a design office. You master CAD and you have a good knowledge of SolidWorks software. You are also familiar with RDM issues.</p> <p>You are rigorous and able to synthesize information, and you know how to use your creativity to develop an industrial product that meets strict regulatory requirements. Appreciated by your team members, you know how to be autonomous and take initiatives.</p> <p>You are at ease in English, both orally and when writing technical documents.</p>

ABOUT ROBOCATH

Founded in 2009 by Dr. Philippe Bencteux, Robocath designs, develops, and markets robotic assistance solutions dedicated to the treatment of cardiovascular diseases. A player in the robotic transformation of the medical sector, these developments aim to increase the gesture performed thanks to precise technologies that are complementary to current interventional methods.

R-One™ is the first robotic solution developed by Robocath. R-One integrates a unique and proprietary technology to secure and optimize coronary angioplasty with robotic assistance. This medical procedure consists of revascularizing the heart muscle through the implantation of one or more implants (stents) in the arteries that irrigate it. An operation of this type is performed every 30 seconds worldwide. R-One is designed to intervene with precision and perform very specific procedures, all in an improved work environment. Thanks to its open architecture, R-One is compatible with most coronary angioplasty devices and catheterization rooms.

In a prospective, controlled, and randomized pre-clinical study, the efficacy and safety of R-One was demonstrated with a 100% technical success rate and no major adverse cardiovascular events (MACE). The device was CE marked in February 2019 and its clinical application started in September 2019. The solution is now present in Europe and Africa.

Ultimately, Robocath ambitions to become the world leader in vascular robotics and to develop remote vascular emergency management (VEM) to ensure the best care path for all. Based in Rouen, France, Robocath has more than 60 employees.