



## WE TALK TO ... Riccardo Cardani

### How did your adventure at Diplomatic MS start?

Today, I hold the position of Head of Research and Development laboratory at Diplomatic. I joined the company in July 2018 as my second work experience. After completing my degree in aerospace engineering, I began my professional journey at a company dedicated to the design and manufacture of electric power systems for aircraft, where I worked on both generators and controls. I started as a Program Manager for program advancement, but shortly after, I changed responsibilities and began managing tests on power generation systems. I have always enjoyed this type of work and remained in testing even after I joined Diplomatic. I am passionate about my work, and I enjoy facing new challenges. This is why I was motivated to change companies and join Diplomatic MS.

I really enjoy the pace and type of work at Diplomatic because I can collaborate with colleagues from different teams and learn something new every day, just as I hope to be able to teach something in return.

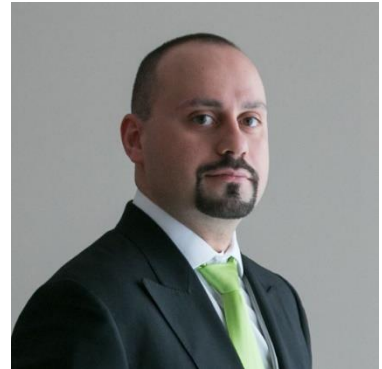
### What does the Head of Research and Development Laboratory do at Diplomatic?

As the Head of Research and Development Laboratory at Diplomatic, I coordinate the work of the team responsible for conducting tests and trials, mainly on valves designed and engineered by our design department, or for verifying defective and non-compliant products requested by production. The laboratory also performs tests on more complex systems and, in some cases, also carries out series tests on special valves.

We primarily provide support to the design department but also to production for managing complaints and customer care. In practice, we try to intervene in all cases where difficulties arise regarding the standard process and provide the link between design and production.

My role includes coordinating the work group, close collaboration with the design department, managing testing activities and related tools, and providing support to production.

For several months now, we have been carrying out the necessary series of tests for the introduction of new bodies on our pilot directional valves. The goal? To have valves that are lighter, less expensive, but at the same time more resistant, more efficient, and more energy-efficient.



**Riccardo Cardani** - Head of R&D Laboratory

**Riccardo Cardani**, Head of R&D Laboratory at Diplomatic MS since 2018, he holds a degree in aerospace engineering. He coordinates the team that primarily verifies and validates the prototypes of internally developed projects.

*"The oil is always right"*





One of the aspects I love most about working in the laboratory is the moment of reporting on the tests, because it is at that stage where we can be truly essential to the product development process. While we are conducting the tests, we are not only the hands of the designer, but also their eyes. This means that the designer sees what we are able to describe and understand, thanks to the accuracy with which the tests are reported.

## What does the Research and Development Laboratory expect in 2023?

As the Head of the Research and Development Laboratory, I oversee the work of the team responsible for conducting tests and trials, mostly on valves that are designed and engineered by our design department, or for verifying defective and non-conforming products requested by production. The laboratory also performs tests on more complex systems and, in some cases, even on prototype valves.

We primarily support the design department, but also production for handling complaints and customer care. In practice, we try to intervene in all cases where difficulties arise in the standard process and provide a connection between design and production. My role includes coordinating the team, working closely with the design department, managing testing activities and related tools, and supporting production.

For some months now, we have been carrying out the necessary tests for the introduction of new bodies on our directional control valves. The goal? To have lighter, less expensive valves that are also more resistant, more efficient and perform better from an energy perspective.

One of the aspects I love most about working in the laboratory is the moment of the test report because that is the phase in which we can be truly essential to the product development process. While we conduct the tests, we are not only the hands of the designer but also their eyes. This means that the designer sees what we can tell and understand thanks to the accuracy with which the tests are reported.

## Basketball is a passion of mine!

In my increasingly scarce free time, which has been enriched by my children who fortunately choose me as their playmate, I love playing and following basketball constantly. My only real regret outside of work is not being able to explain to my children exactly what I do for a living, but I hope I have been able to explain it to you readers today!