

Project title	Polymax Plus - Next generation of modal parameter estimators for product development and operational testing
Duration	01-02-2014 → 31-01-2018
Abstract	<p>This project focus on the development of advanced modeling technique for vibrating structures. Such technique will enable the development of new products in a more effective and economical way. Improved modeling techniques - including reliable uncertainty quantification - are key demands of product developers in the manufacturing industry. These new demands are driven by end-user requirements as well as more stringent regulations. These key demands are fully reflected in the work plan of that project. At the VUB, which is the academic partner in this project, we have a strong tradition in developing innovative modeling techniques to address these demands. Joining our forces with Siemens Industry Software, which is a market leader in this field, allows us to better define our research targets. It will furthermore ensure that the exploitation potential of the research results are be fully developed. This project resulted in two modal parameter estimators, namely Polymax Plus and MLMM, that are now commercialized and released in SimCenter (formerly called LMS Test.Lab) modal analysis module.</p>
Project Coordinator	VUB-AVRG
Involved research partners	
<ul style="list-style-type: none"> • VUB-AVRG 	
Involved industrial partners	
<ul style="list-style-type: none"> • Siemens Industry Software (SISW) 	
Type of funding	VLAIO Innovation Mandate
Financing body	VLAIO - https://www.vlaio.be