



November 6, 2019

1. What did ANSYS announce today?

ANSYS has acquired Dynardo, the provider of optiSlang, a premium software platform for process integration and multi-disciplinary optimization.

2. Why is this significant?

This acquisition will give ANSYS customers access to a full suite of process integration and robust design tools to identify optimal product designs faster and more economically. Dynardo's flagship offering, optiSlang, is a comprehensive multi-disciplinary design optimization solution with a full suite of multi-objective optimization, sensitivity, reliability, and robust design capabilities. Customers of all sizes and across industries leverage optiSlang to integrate chained simulation flows, automate set up/execution for design space exploration and optimization, greatly reducing development time and accelerating the evaluation of optimal product design alternatives for cost and performance. optiSlang is used to address many problems from design optimization to autonomous reliability to reduced order models.

The integration of Dynardo's design and performance exploration tools with ANSYS Minerva's data and knowledge management technology will enable customers to manage valuable simulation and optimization results easily throughout an organization.

3. What does Dynardo and optiSlang do?

Dynardo develops state-of-the-art algorithms for optimization and simulation workflow, uncertainty quantification, robustness, sensitivity analysis and data mining. Their flagship product, optiSlang, is the foundation for building workflows and setting up CAE-based robust design optimization study to identify and evaluate a variety of input and output variables as well as objective parameters. The resulting information enables an appropriate analysis of system properties for the solution/execution of optimization tasks. optiSlang also provides comprehensive post processing tools to visualize the design domain and interactions.

Who is optiSlang used by?

4. optiSlang is used by engineers across a wide range of industries including automotive, aerospace, and consumer electronics.

5. Why is this acquisition important?

Dynardo (optiSlang) is one of the strongest independent players in the design optimization market. Customers now see optimization as a critical step, along with core simulation, and they desire to push optimization earlier in the design cycle so they can develop higher quality, more robust products, while at the same time reducing cost and improving safety. Optimization products like optiSlang are becoming

especially important for testing autonomous vehicles because they enable designers to maximize testing of the highest risk scenarios.

Following the acquisition, optiSLang will continue to be an open and vendor-neutral solution, providing connectivity to a vast array of CAE tools. This will enable ANSYS Minerva to support multiphysics and data management across all of these tools – both from ANSYS as well as other vendors - which is a key requirement from large enterprises. Over time, optimization tools will be used in practical, everyday engineering aids reaching a wider pool of users.

6. **What is the long-term financial impact for ANSYS?**

The transaction is not expected to have material impact on ANSYS' consolidated financial statements in either 2019 or 2020.

7. **Where is Dynardo based?**

Dynardo is headquartered in Weimar, Germany with additional locations in Austria and the United States.

8. **How many people does Dynardo employ?**

Dynardo employs approximately 65 people.

9. **How will this acquisition affect ANSYS and Dynardo customers?**

ANSYS has been selling optiSLang as “ANSYS optiSLang” for the last few years under an existing partnership agreement, and this product is already integrated within ANSYS Workbench. Existing optiSLang customers should see minimal disruption with how they now work with ANSYS or how they use the optiSLang product. New customers can get immediate access to optiSLang as it is already sold by ANSYS sales teams and fully supported by ANSYS' ACE organization. optiSLang customers will be able to leverage ANSYS Minerva simulation data management and integrations with applications like PLM/PDM and ERP – enabling customers to extract additional insights from optimization results, reuse results that were created before and allow for data audit and traceability.

10. **How will Dynardo fit into the overall structure at ANSYS?**

While the specifics are still being evaluated, it is anticipated that the Dynardo development team will integrate into ANSYS' existing product development organization and services and consulting teams will integrate into the ANSYS services and consulting organizations.

11. **Who will be responsible for the integration of the two businesses?**

As with past acquisitions, leaders from both companies will work collaboratively to plan and to leverage each individual company's strengths for the benefit of the combined organization.

Forward-Looking Information

This information contains certain forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995 with respect to the acquisition, including statements regarding the benefits of the acquisition and the products and markets of each company. Forward-looking statements are predictions, projections and other statements about future events that are based on current expectations and assumptions and, as a result, are subject to risks and uncertainties. Many factors could cause actual future events to differ materially from the forward-looking statements including but not limited to: (i) risks that the transaction disrupts current plans and operations of Dynardo and potential difficulties in Dynardo employee retention as a result of the transaction, (ii) risks related to diverting management's attention from Dynardo's ongoing business operations, (iii) the ability of ANSYS to successfully integrate Dynardo's operations, product lines, and technology, and (iv) the ability of ANSYS to implement its plans, forecasts, and other expectations with respect to Dynardo's business after the completion of the acquisition and realize additional opportunities for growth and innovation. In addition, please refer to the documents that ANSYS files with the SEC on Forms 10-K, 10-Q and 8-K. These filings identify and address other important risks and uncertainties that could cause events and results to differ materially from those contained in the forward-looking statements set forth herein. Forward-looking statements speak only as of the date they are made. Readers are cautioned not to put undue reliance on forward-looking statements, and ANSYS assumes no obligation to update or revise these forward-looking statements, whether as a result of new information, future events, or otherwise.

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