

For Immediate Release
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DMDII Awards Funding to NADCA Supported Project, Automated Manufacturability Analysis Software

Arlington Height, IL – The Digital Manufacturing and Design Innovation Institute (DMDII), a UI LABS collaboration, announced an investment of \$12 million in seven R&D projects, involving 28 total organizations across the United States. Included in the selected projects is Automated Manufacturability Analysis Software “ANA”, supported by the North American Die Casting Association.

The ANA project builds upon work from the AVM project to develop commercially viable software that will provide feedback to designers at the conceptual design phase. The resulting analysis software will enable conceptual designers to receive immediate feedback on their designs early in the manufacturing process, cutting down the often lengthy conceptual design phase of components.

The outcomes of this project will enable significant reductions in manufacturing costs, product launch costs, and time to market.

The North American Die Casting Association is excited to be a part of the project and will assist the team by providing further evaluation, training, and industry information.

NADCA Director of Research, Education & Technology, Steve Udvardy added, “The project is targeted to develop software that provides early feedback for making “shape” related decision for ease of manufacturability of parts. A module specific to die casting will be developed. NADCA will be assisting by providing tolerance information and other design information from the NADCA Product Specification Standards and design related NADCA educational courses for use in the development of the ANA Software.”

This project, led by Iowa State University, (supported by NADCA, AFS, John Deere, The Lucrum Group, MFG.com, Pennsylvania State University Applied Research Laboratory, Steel Founders’ Society of America, Tech Soft 3D and University of Alabama at Birmingham) will create a manufacturability analysis package that can work on any platform to provide real-time feedback on critical manufacturing issues.

Details on the complete list of projects awarded funding by DMDII can be [found here](#).

Founded in 1989, NADCA represents more than 300 die casters in the U.S. Part of an industry with roughly 50,000 employees; the typical NADCA member has annual sales around \$30 million with 150 full-time workers. The industry has facilities in roughly forty states manufacturing products for the agriculture, aerospace, automotive, defense, energy, medical, and other industries that serve as the backbone of our nation’s security and economy.