



**Cork Constraint Computation Centre**

University College Cork

"Making Hard Choices Easier"



# Automated Construction of Optimisation Models for the Manufacturing Enterprise

## Project Description

Constraint Programming is a proven, key technology in the optimisation of the activities of manufacturing enterprises. A large bottleneck, however, is the need for highly skilled, experienced consultants to build an optimisation solution for each enterprise.

Customisation requires expertise in constraint programming as well as time, effort, and experimentation. This project directly addresses the bottleneck by automating the process of converting an enterprise model into a constraint programming model. This will allow reductions in time, effort and expense as well as a significant increase in the uptake of constraint programming by small and medium sized manufacturing enterprises.

## Project Coordinator

Dr. J. Christopher Beck

## Project Partners

Dr. Con Sheahan – University of Limerick



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