

## MC4VED configurator for a mechatronics and mechanical engineering curriculum at Deltion College, Zwolle, NL

### Project Specification:

Project name	Design and implementation of a MC4VED configurator for a mechatronics and mechanical engineering curriculum to improve students motivation and learning outcomes/sustainability
Project ID / Versions	<b>DE/09/LLP-LdV/TOI/147203</b>
Date/Change	5 November 2009
Problem (measurable)	Students motivation, high dropout rate, lack of commitment among teachers and faculty, Environment, economic requirements and students do not fit the traditional curriculum.
Target (measurable)	Reducing dropouts, commitment among teachers and faculty, reducing costs, better develop the individual competences of the students, increase rate of students leaving the school with a diploma, increasing involvement of students and companies, re-improvement Deltion curriculum to regain a high standard
Background	We want to develop a new curriculum fitting the students' and businesses' needs and make the curriculum suitable for the new learning environment and culture.
Milestones An Evaluation Criteria	Developing two cases according to MC methods and tools, testing these cases and adjusting the cases. Implementing the cases in the curriculum. Measuring students' and teachers' satisfaction and success. Measuring companies' involvement and evaluate possible benefits of the new method.
Scope	We want to develop and change the content of the curriculum during the project period.
Follow ups (Scale)	Develop cases and improving the curriculum
Project Start/End	November 2009 – June 2011
Assumptions	Commitment of two team managers responsible for these courses.
Communication plan	Inform the colleagues in team meetings Present progress on Deltion Internet and Intranet, articles in local and regional papers, Link on Deltion webpage to website project
Risks/Threats	Lack of commitment among teachers.
Advantages/Benefits	More students leaving school with a diploma Better development of students' skills and competences Improvement of students' satisfaction Effective educational route Tempo differentiation Recognition of earlier acquired skills and reducing costs

### Project Team (Stakeholders):

Roles/Responsibilities	Names	Time
Project Sponsor*	Leonardo da Vinci	[h/week]
Project Leader*	Herman Hempen, Gert Wagenvoort	[h/week]
User- Representative *	Students, companies, parents	[h/ week]
Provider- Representative*		[h/ week]
Affected Stakeholders (not participating in the project)		[h/ week]
Team Expert 1 + Tasks	Haico van der Kolk	[8/ week]
Team Expert 2 + Tasks	Bart Stomps	[8/ week]
Co-ordinator	Herman Zwakenberg	[1/ week]
Team Expert 4 + Tasks		[h/ week]

\*regional steering committee"

