

Mapping of Mass Customization Activities in Central and

Southeast Europe

Mass Customization & Open Innovation in CE

Dr. Zoran Anisic,

University of Novi Sad,

Faculty of Technical Sciences, Serbia

Dr. Boris Tudjarov,

Technical University of Sofia,

Faculty of Mechanical Engineering, Bulgaria

Dr. Alexander Tsigkas, Mr. Christos Chatzopoul

Democritus University of Thrace,

School of Engineering,

Production Engineering & Management,

Xanthi, Hellenic Republic

Mr. Robert Freund

Mannheim Institute of Business Intelligence and Security, Germany

What is Mass Customization?

Mass Customization & Open Innovation in CE

Mass

Customization

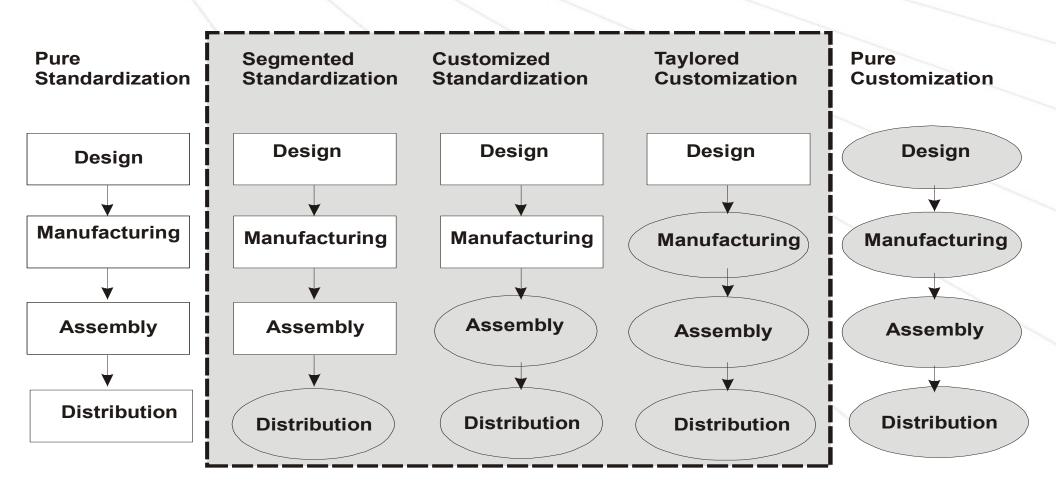
• to deliver goods & services that meet individual customers' needs.

• with near Mass Production Efficiency.

Two "recent" developments

- Dell Computers and other high-tech companies, build products to order.
- The emergence of the Internet,
 giving the manufactures a platform for taking orders
 from mass audience for customized products.

Level and depth of involving customers



Results of Mapping MCP Activities until 2008

Mass Customization & Open Innovation in Central Europe and Southeast Europe	Universities/ Researchers Blue colour	Companies Green colour	Conferences Yellow colour	National Websites Red colour
Austria	5 / 17	4	-	
Albania	-	_	_	_
Bosnia & Herzegovina	-	-	<u>-</u>	-
Bulgaria	1/8	_	_	
Chech Republic	-	1	-	-
Croatia	1/1	-	_	_
FYROM	1/3	1	-	
Hellenic Republic	6 / 10	1	-	-
Hungary	1 / 1	_	\ <u>-</u>	-
Lithuania	- \	1	-/	-
Moldova	- \	-	-	-
Poland	15 / 30	3	2	1
Romania,	2/2	3	-	1
Serbia	6 / 17	1	1	1
Slovenia	2/4	/-		- /
Slovakia	-	-\	-	_
Ukraine	2/3	- \		-
Total	42 / 87	14	3	1

Mass Customization & Open Innovation in CE

Polish Official Site:

http://www.mass-

customization.pl

Greek Official Site

(new):

http://mass-

customization.pme.

duth.gr

The Network



Mass Customization & Open Innovation in CE

The Map of the Mass
 Customization and Open
 Innovation activities in
 Central & Southeast EU.

•http://maps.google.com/maps/ms?ie=UTF8&hl=e n&msa=0&msid=115394000225018160781.00045 faaf54d785f4ec64&ll=47.872144,23.203125&spn= 28.231113,79.101563&t=h&z=4

Web – based product configurators

3D cars demonstrators to display cars of different models and colors

Mass Customization & Open Innovation in CE

(example get from http://www.mercedes-benz.de) Anmelden Kontakt Neufahrzeuge Gebrauchtfahrzeuge Service & Zubehör Finanzdienste Großkunden Mercedes Wett Mein Mercedes CL Startseite Produktinformationen Ihre Konfiguration (Euro) > Motor ändern CL85AMG 224.315.00 > Farben und Felgen ändern Obsidianschwarz metallic, AMG Leichtmetallräder im Doppelspeichen-Design, geschmiedet, 20" 0.00 > Polster ändern Leder PASSION Exklusiv schwarz/schwarz 0,00 Motor wählen Ausstattungen wählen Mercedes-Benz Siteman | @ 2009. Daimler AG. Alle Rechte vorbehalten (Anbieter) | Cookies | Datenschutz | Rechtliche Hinweise

Web – based product configurators

Configurator focused on furniture products

(http://www.fwc3d.com)



Web – based product configurators

Configurator for clothes, gifts and etc.

(http://www.earlyimpact.com)



- •Providing appropriate queries and generating of orderready quotes, including by accessing the latest product and pricing information.
- •Flagging incompatible options and highlighting prior options that are incompatible with the current option.
- •Supporting the import of external and legacy configuration data and rules into Custom Commerce configuration models.
- •Supporting complex pricing models that allow multiple price lists to be associated with any product option.
- •Providing context-appropriate help messages and selling suggestions.
- •Providing graphics and animations to aid in the configuration process, including 2D drawings and 3D models.
- •Supporting the use of spatial relationships and rules for configurations, allowing layout and assembly of multiple

Customization of Services

Web – based service configurators



Mass Customization & Open Innovation in CE

Possibilities of customization:

- Transportation services (tickets),
- •Financial services (assurance, leasing),
- Tourism(accommodation, restaurants, etc.)
- Other (arranging celebrations

Thank you for your valuable time



Mass Customization & Open Innovation in CE

Mapping of Mass Customization Activities in Central and Southeast Europe

Mr. Chatzopoulos Christos

PhD Student

Production Engineering & Management - D.U.TH.