DESMA

THE FINEST IN SHOE PRODUCTION ENGINEERING

Mit EU- und nationaler Förderung ins Digitale Zeitalter

Christian Decker Managing Director

The Company DESMA

- Location Bremen/Germany
- founded 1946
- 225 Employees
- 53 mio USD
- Global sales (average 5 years)
  - Exportrate over 92 %
  - 34% Asia
  - 31% Europe (incl. Germany)
  - 15% USA/Canada/Mexico/Caribbean
  - 9% South America
  - 5 % GUS
  - 6 % Oceania, Japan, Afrika, near East

- Machines, Automation and Molds for the industrial footwear produktion

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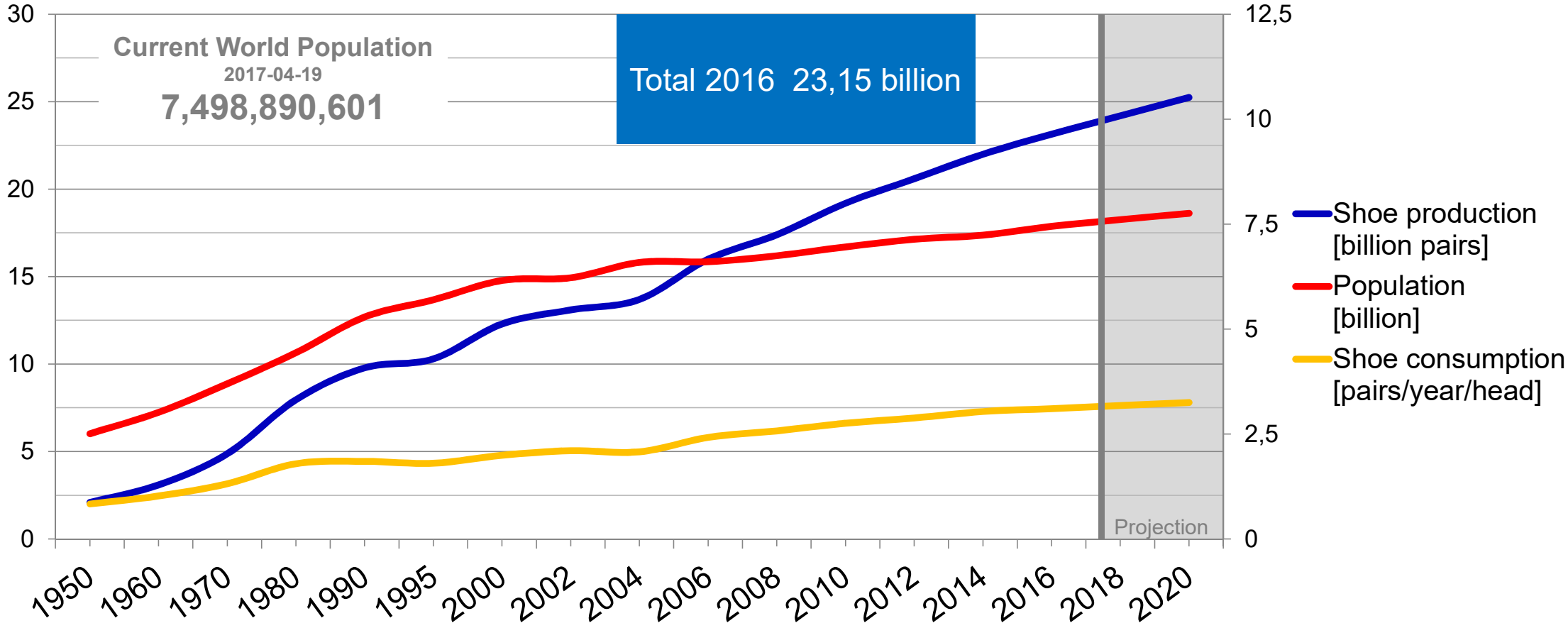
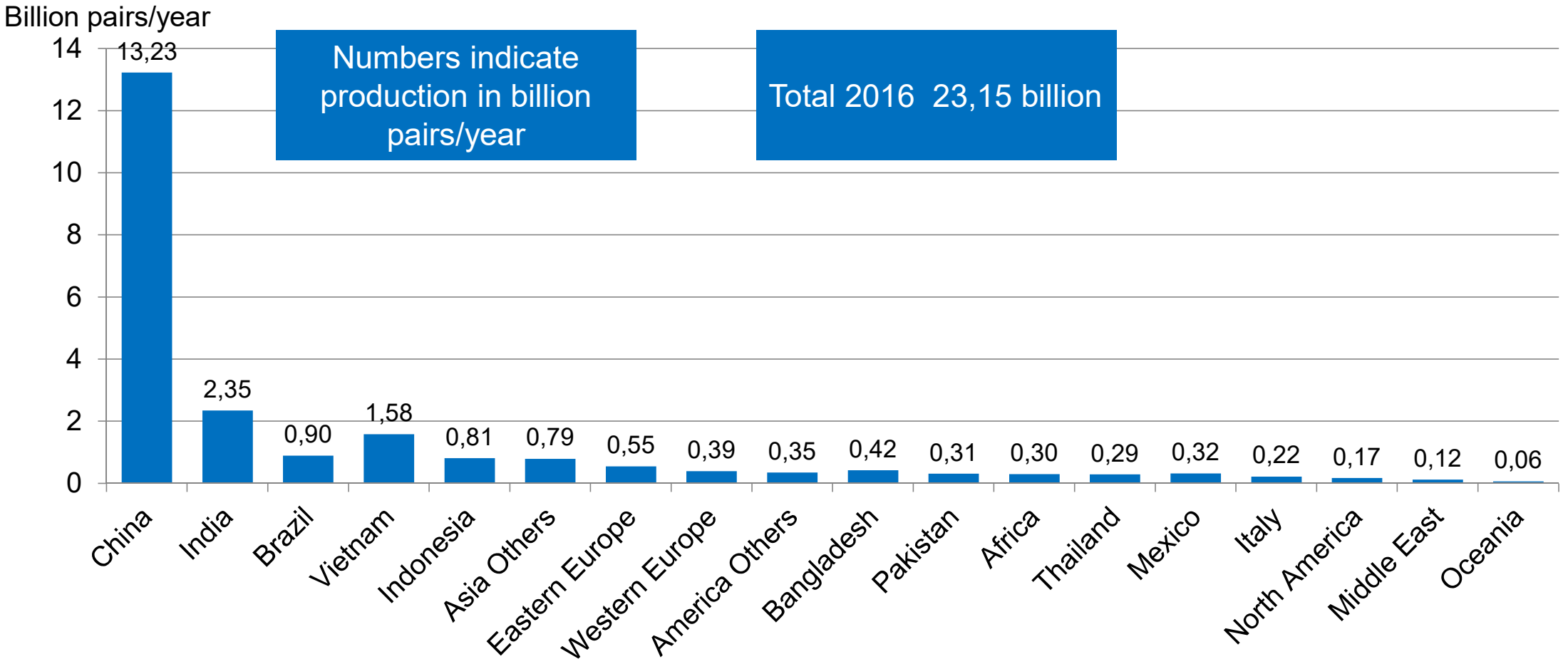
Trends and Key Facts in the Footwear Market

Global Footwear Production and Consumption



Sources: DESMA market analysis 2016; based on numbers of WTO, UN, Footwear organisations, Material supplier

2016 Production in Countries and Regions



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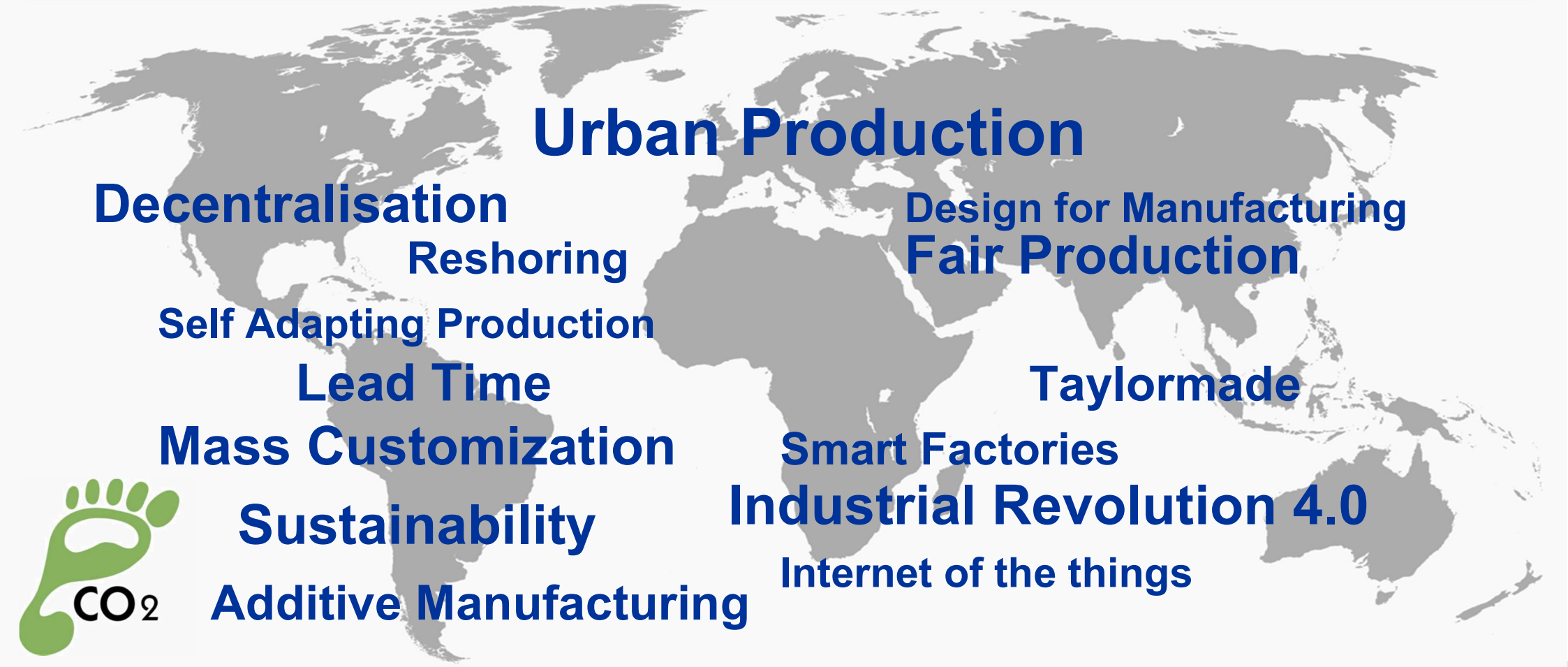
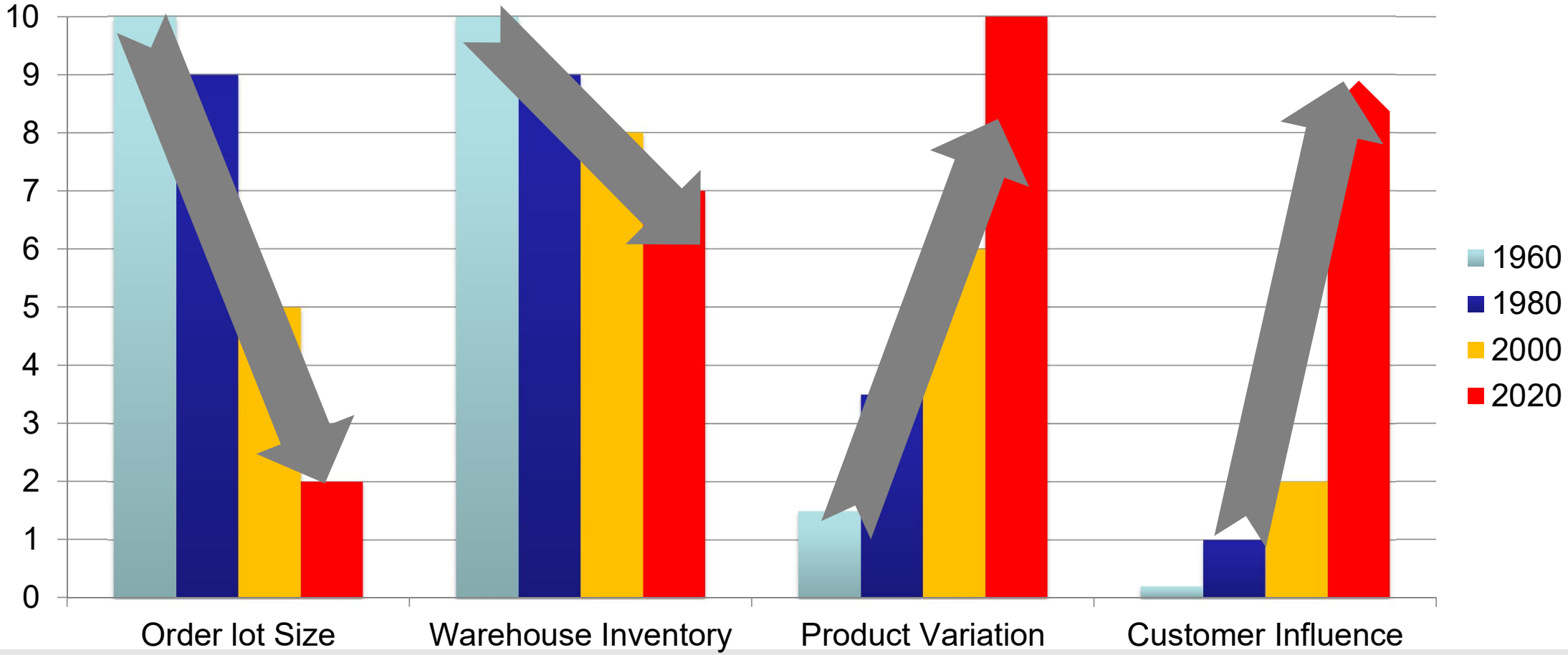
Trends – Developments - Keywords



Development of the Footwear Industry over 60 years



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Förderprojekte und deren Ergebnisse

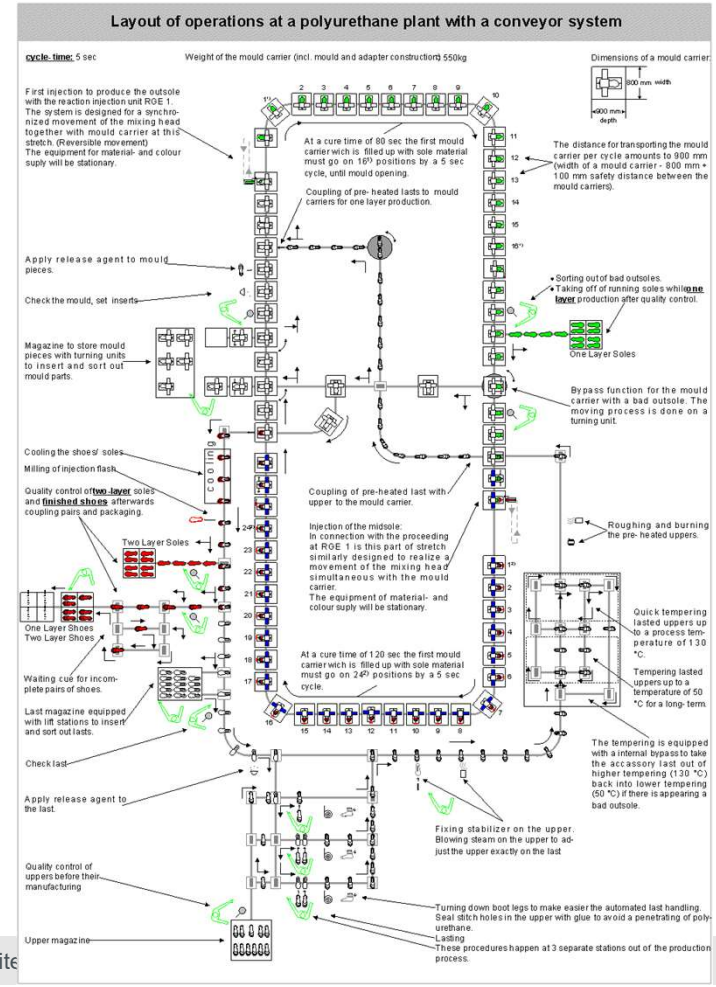
DESMA Projekte der vergangenen 2 Jahrzehnte

ProShoe	Entwicklung neue Produktionssysteme	1997-2000	Brite Euram
EvaPro	Optimierung Variantenreicher Produkte	1999-2002	BMBF Produktion von Morgen
Komsolv	Komplexe Produkte prozeßtechnisch abwickeln	2009-2012	BMBF Produktion von Morgen
Prowis	Prozeßorientiertes und integriertes Wissensmanagement	2006-2008	BMWI
Fasamos	Flexibel automatisiertes Zweikomponenten Mikrospritzguß	2007-2010	BMBF Produktion von Morgen
HiMicro	High precision micro-production technologies	2012-2015	EU 7th Framework Programme
Quaminet	Adaptive quality control of µ-technology via neural networks	2009-2012	EU 7th Framework Programme
Selflearning	Self-Learning production systems with context aw. services	2009-2012	EU 7th Framework Programme
Proseco	Design of personalized product services to production process in collaborative environment	2013-2017	EU 7th Framework Programme
Diversity	Cloud Manufacturing for global distributed Enterprises	2014-2017	EU Horizon 2020
Kamiso	Digitale Methoden zur diversifizierten Produktentwicklung	2017-2020	DFG AIF

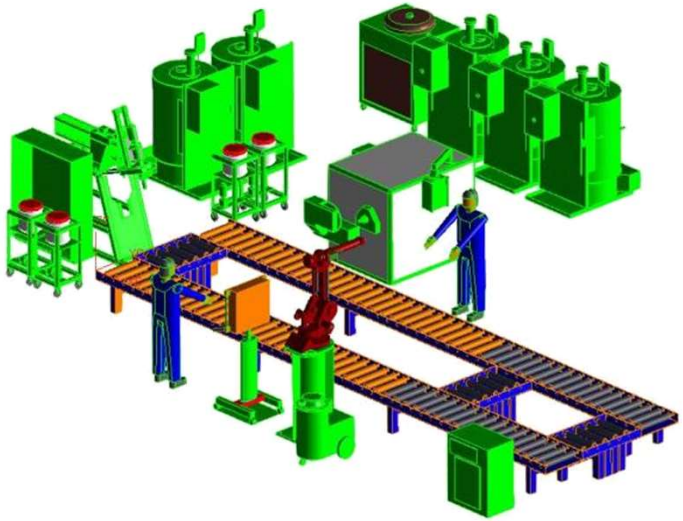
Hochschulkooperationen

- University of Applied Science Bremen
  - Mechatronik, Automation
  - Economic Engineering
- University Bremen
  - Production Engineering, Economic Engineering
  - Fraunhofer IFAM Materialtechnology, Adhesive, CFK Technology
- TU Braunschweig
  - Maschinenbau, Wirtschaftingenieurwesen
  - IWF Fertigungstechnik Mikro
  - IKT Konstruktionstechnik
- TU Aachen
  - IKV Kunststofftechnik
- Universität Magdeburg
  - Fraunhofer IFF Wissensmanagement
- Universität Berlin
  - Fraunhofer IPK Wissensmanagement
- Jacobs University Automatisierungstechnik
- KUZ Leipzig Kunststofftechnik
- DTU Kopenhagen/DK Mikrofertigung

Ergebnis ProShoe: DesFLEX Technology

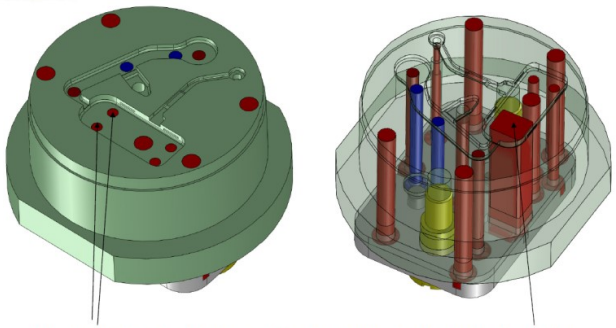


- Target was order production “just in time”
- vision is lot size „1 pair“
- economic production mix of large variety in small orders

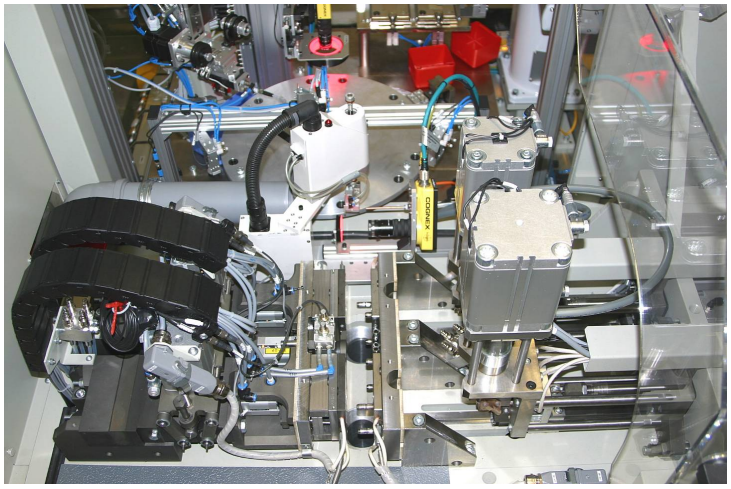


Ergebnis FasaMos: Micro-Spritzguß mit Automation

- Kleinste Bauteile in höchster Präzision produzieren und montieren sowie vermessen
- Anwendungen Linsen, Laser, LED, Bio-Chips, …



Rundauswerfer ersetzt gegen stirnseitig polierten rechteckigen Auswerfer



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we like to support you on the way into the future

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