



Jan Willem Mollema

Freelance technisch beleid

I am a pragmatic specialist with a strong manufacturing background, driven by engineering both privately as professionally. One of my key abilities is to connect between theoretical and practical individuals within multiple companies and countries, considering the complete chain of dependencies. I am curious and typically generate novel creative solutions where complex projects seem stuck.

My colleagues characterize me as a fast thinker, having a strong drive and intrinsic motivation. Governance and strategic thinking are included as standard.



+316 814 83378



janwillem@techniekmetbeleid.nl



March 11th 1988



nl.linkedin.com/in/jwmollema



www.techniekmetbeleid.nl



's-Hertogenbosch

Work Experience

- August 2019 – Current
Adviseur/ingenieur/interim at Techniek met Beleid, 's-Hertogenbosch, the Netherlands.
 - Portfolio analyses and aligning manufacturing for the future, including investment preparation, organizational change and defining a new manufacturing concept.
 - Integration of a large-part machining facility in the organization. Leading the change to multi-project organization. In-depth root cause analyses of a large machining centre and implementing a ten-fold increase in all-volume accuracy.
 - Consulting CTO to a mid-size company to make the step from isolated machining systems with long and undefined lead times to an integrated rapid response job shop.
 - Reorganizing all CNC-activities and leading different NPI-projects. Initiated load balancing between manual processes and NC-processes including the introduction of a high-speed machining centre with automation. Roadmapping for the complete optomechanical department.
 - Development of an own additive manufacturing platform, i.e., founder of WIGWAM Technologies.
 - Managing development and realization of a 14-ton vacuum chamber for a Finnish customer.
 - Engineering and development of a vacuum solution for an R&D customer in Germany.
 - Evaluation of an automation system for die sinking EDM and development of an own cost-effective way, while leading multiple NPI's.
- August 2018 – June 2019
Manufacturing Engineer NPI at AAE BV, Helmond, the Netherlands.
 - Being a hub between ASML and suppliers make that I played a key role in the early supplier involvement for the flow vanes module for the third generation EUV-machine of ASML.
 - Development, realization and management of machining processes for key components for the flow vanes module.
- May 2017 – April 2018
Manufacturing Engineer at ZF Wind Power, Lommel, Belgium.
 - Development of a measurement system for the Overall Equipment Effectiveness (OEE).
 - Deploying different improvement projects to improve the OEE.
 - Development of a system for condition monitoring and data driven maintenance.
 - Unlocking machine data to contribute to big data analyses for quality purposes.
- September 2014 – January 2017
Technical Development Engineer at Sandvik Coromant, Gimo, Sweden.
 - Development of a production line for mass production of prototype cutting inserts.
 - Technical preparation for the multimillion-euro investments.
 - Practical and theoretical experience with 5-axis milling, die sinking EDM and multi-axial wire-EDM, grinding of carbide and powder compaction.
 - Contribution to key breakthroughs in product development.

Education

- January 2024 – current
Executive program - The New CIO-CTO-CDO
The New CIO-CTO-CDO presents the most recent international academic and business insights for digital and technology executives.
- August 2012 – June 2014
Royal Institute of Technology, Stockholm, Sweden.
Master Production Engineering and Management.
 - January 2014 – June 2014
Graduation Internship at Sandvik Coromant, Gimo, Sweden.
Experimental study towards alternative ways of machining carbide.
 - April 2013 – August 2013
Process engineer cam- and crankshaft production at Scania, Södertälje, Sweden
- February 2007 – December 2011
Saxion University of Applied Sciences, Enschede, the Netherlands.
Minor Human Care and Technology.
Bachelor Mechanical Engineering.
 - June 2011 – December 2011
Graduation Internship Philip Morris Holland, Bergen op Zoom, the Netherlands.
Bottleneck and root cause analyses at the cigarette making and packing lines.
 - October 2010 – March 2011
Internship Tata Steel, IJmuiden, the Netherlands.
Efficiency analyses of refractory maintenance of pig iron and steel ladles.
 - Augustus 2009 – March 2010
Internship Enrichment Technology Netherlands, Almelo, the Netherlands.
Implementation of a maintenance concept .
- August 2000 - July 2006
Willem Lodewijk Gymnasium, Groningen, the Netherlands.
Pre-university Education.

Skills

Languages:	Dutch	★★★★★
	English	★★★★☆
	Swedish	★★★★☆
	German	★★★★☆
Software:	CAD	★★★★☆
	CAM	★★★★☆
	CMM	★★★★☆
Projects:	Management	★★★★☆
	Planning	★★★★☆
Engineering:	System	★★★★☆
	Architecture	★★★★☆
	Holistic	★★★★☆
	Manufacturing	★★★★☆
	Precision	★★★★☆
	Production systems	★★★★★
Fields:	Die and mold	★★★★☆
	PM	★★★★☆
	Prototyping	★★★★☆
	Optics	★★★★☆

I4.0/IOT:	Data retrieval	★★★★☆
	Database technology	★★★★☆
	Data visualization	★★★★☆
Machining:	5-axis machining	★★★★☆
	Micron hunting	★★★★★
	EDM (wire and die sink)	★★★★☆
	Grinding	★★★★☆
Fields:	Die and mold	★★★★☆
	PM	★★★★☆
	Prototyping	★★★★☆
	Optics	★★★★☆
Size:	5x5x5	★★★★☆
	50x50x50	★★★★☆
	500x500x500	★★★★☆
	5000x5000x5000	★★★★☆
Materials:	Steel	★★★★☆
	Cemented carbide	★★★★☆
	Aluminium	★★★★☆
	Other non-ferrous	★★★★☆