



## Profil

### Dipl.-Ing. Heinrich Moormann, Born 1958

- 1987 Mechanical Engineering Diploma at the University of Paderborn, degree desertion at Nixdorf Computer AG, Subject „Optimizing material flow and storage cost reduction in the PCB production“
- 1987 – 1990 Planning engineer in the department of industrial engineering and logistics at JUNGHEINRICH AG, Hamburg
- 1990 – 1993 Deputy head of logistics and materials management at the electrical and electronic component production at JUNGHEINRICH AG, Hamburg
- 1993 – 2001 Materials and logistics manager at National Rejectors, Inc., a Crane Co. Company, 1997 Training and Certification as Lean Six Sigma Blackbelt at “Six Sigma Academy” in US.
- 2002 Implementation of the Crane Co. Operational Excellence Program in Crane European facilities as certified European Enterprise Masterblackbelt
- 2003 – 2007 European Operations Manager and Managing Director at Crane Resistoflex GmbH, Pforzheim
- From 2007 working as an independent consultant

## Focus

- **Strategic Planning / Policy Deployment (Hoshin Kanri)**
  - Conversion of strategic objectives into action plans
  - Introduction of Key Performance Indicators to measure the success
  - Implementation of a structured review process
- **Implementation of Lean Six Sigma / Operational Excellence Programs and hands-on-support for projects**
- **Implementation of Design for Six Sigma and hands-on-support for projects**
- **Training and Facilitation of classical value analysis projects**

**Sigma Process Consulting**

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- **Implementation of Lean Production and hands-on-support for projects**
  - 5S
  - Visual Management
  - Standard Work
  - Continuous Flow
  - Cell concept with single-piece-flow
- **Process analysis and -optimization**
  - Value Stream Analysis and –Design
  - Process-Flow Analysis
  - Kaizen Workshops both in office and production
- **Implementation of lean material flow systems using „Pull Principles“**
  - Analysis of usage and frequency of your part spectrum in order to define potential KANBAN parts
  - Integration of Kanban in your production process
  - Integration of Kanban in your ERP environment
  - Visual Planning for Non-Kanban-Parts

## Experience

- Finished successful app. 20 Six Sigma Projects
- Training and Coaching of more than 180 Black-, Green- und Yellow-Belts at Crane Co. and other customers
- Facilitator of at least 50 Lean/Change Management Kaizen (Rapid improvement workshops) in production
- Facilitator of at least 30 Lean/Change Management Kaizen (Rapid improvement workshops) in administration

## Projects

- Implementation of Policy Deployment (Hoshin Kanri) at a fittings manufacturer
- Value Stream Mapping and –Analysis for cylinder blocks at a ship engines manufacturer
- Execution of the Six Sigma Project „Design of a new paint system with Lean principles for ship engines“ using the DMAIC-Method
- Facilitation of app. 90 continuous improvement events in a team working environment at an automotive supplier
- Design and implementation of a continuous improvement process in the assembly of an automotive supplier
- Implementation of Policy Deployment (Hoshin Kanri) at an automotive supplier
- Redesign of an assembly line using lean principles and value stream mapping at an automotive supplier

- Value Stream Mapping and –Analysis for a production site of a manufacturer of wind turbines
- Value Stream Design and development of an implementation plan for 9 different sub-assemblies for a manufacturer of wind turbines
- Development of a material flow concept for the production of a manufacturer of wind turbines
- Implementation of Kanban-Principles in the production of a manufacturer of wind turbines
- 5S Implementation in a manufacturing area of a supplier for railed vehicles
- Process analysis from „Order Entry to Shipment“ and action plan development for a supplier for railed vehicles
- Development of a material flow concept and implementation of Pull-Principles for the assembly of a supplier for railed vehicles
- Development and Implementation of an assembly line supply plan and a Heijunka control board to level the assembly at a supplier for railed vehicles
- Implementation of Policy Deployment (Hoshin Kanri) in logistics and production at a supplier of door systems
- Design and implementation of a continuous improvement process in the administration of a supplier of door systems
- Analysis of the strategic processes of an internet service supplier (Business-to-Business) and definition of suggestions for improvement
- Value analysis of a strategic product (inward swinging door) at a manufacturer of door systems for busses
- Process analysis and –design of the customer complaint and warranty process at a supplier of door systems
- Value Stream Analysis and factory layout improvement at a manufacturer of ventilators
- Value Stream Analysis and factory layout improvement at a manufacturer of power supplies and transformers
- Process analysis and –design of the shipment process at an automotive supplier
- Lean Green Belt Training for 5 Greenbelts and hands-on-support for their projects at a supplier for railed vehicles
- Process-Flow Analysis and –design for final assembly of aircraft body sections at an aircraft supplier
- Value analysis of a strategic product (outward swinging door) at a manufacturer of door systems for busses
- Value analysis of a strategic product (sliding door gear) at an automotive supplier
- Facilitation of an event for redefining a production- and plant concept at a supplier for railed vehicles
- Lean Greenbelt Training for 8 Greenbelts and hands-on-support for their projects at a supplier for railed vehicles
- Conversion and Review of a new corporate strategy at a fittings manufacturer by implementing Policy Deployment (Hoshin Kanri)
- Development and Implementation of a production- and material flow concept for a final assembly hall at a manufacturer of door systems for busses
- Development of a production and delivery concept for a valve and couplings manufacturer

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- Conversion and Review of a new corporate strategy at a manufacturer of thin-gauge fins and tubes for cooling systems by implementing Policy Deployment (Hoshin Kanri)
- Lean Green Belt Training and Coaching for ca. 120 Greenbelts at several locations worldwide at an international manufacturer of packing machines for the food industry within a period of two years
- Facilitation of an event for the new conception of complaint management at a supplier for railed vehicles
- Value Stream Mapping and –design at a manufacturer of thin-gauge fins and tubes for cooling systems
- New design of a production cell and implementation of Pull-Principles at a manufacturer of thin-gauge fins and tubes for cooling systems
- Lean Greenbelt Training for 8 Greenbelts and hands-on-support for their projects mainly in engineering design and administration at a supplier for railed vehicles
- Value analysis of a twin-screw extruder drive at a transmission manufacturer
- Conversion and Review of a new corporate strategy at a valve manufacturer by implementing Policy Deployment (Hoshin Kanri)
- Lean Greenbelt Training for 5 Greenbelts and hands-on-support for their projects at a printing plant
- Conversion and Review of a new corporate strategy at a valve and fittings manufacturer by implementing Policy Deployment (Hoshin Kanri)
- Cascading corporate strategy objectives to different business divisions across several layers at a manufacturer of door systems by implementing Policy Deployment (Hoshin Kanri)
- Business Analysis, Training and Business Blueprint to implement the MES system CellFusion at four sites of strategic suppliers within the scope of a worldwide supplier integration project for a manufacturer of machines for the chip industry.
- Lean Greenbelt Training for 9 Greenbelts and hands-on-support for their projects for a major player of construction material in Europe.

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