

# Curriculum Vitae



## Dirk Van Mechelen

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Date of birth: October 12th 1965

Married to Renata Macedo, 2 children

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### Education

- 4 year degree in Electrical Engineering (M. Sc)  
Katholieke Industriële Hogeschool Antwerpen, 1987
- 4 year degree in Computer Science (M. Sc)  
Vrije Universiteit Brussel, 1993
- 2 year degree in Occupational Safety and Health (level 1)  
HIVA Katholieke Universiteit Leuven, 1999
- 2 year degree in Management (Business Administration)  
Vrije Universiteit Brussel, 2003
- Certified Functional Safety Professional  
Tüv Süd Academy, 2010

### Job experience

- Since 1999 - present: Manager of PROSAVE bvba  
Consultancy and engineering company for Safety and Health, specialized in Technical Safety, Machinery, Electrical Safety, ATEX.
- Since 2000 - present: Lecturer at the Catholic University of Leuven, the University of Antwerp and various engineering associations about safety of machinery, electrical safety, Atex and control systems.
- 2016- present: ASML  
**Safety Architect, Development & Engineering**
  - Product Safety Engineer
  - Radiation Competence Lead
  - Semi S2 responsible
  - Tooling development
- 2013- 2016: ASML  
**Senior safety expert, EUV factory**
  - Implementation of safety structure
  - Drafting of Safety and Health procedures and instructions
  - Follow up of Technical Projects
  - Laser safety
  - Safety Review Board, technical safety input

- 2007 - 2013: Audi Brussels
  - Safety Manager (ad interim)**
  - Responsible for the transition of the internal Safety Department from Volkswagen Vorst to Audi Brussels
  - Implementation of Belgian Legislation
  - Drafting of Safety and Health procedures and instructions
  - Follow up of Technical Projects (Audi A3 and A1)
  - Safety coordination of the various construction sites
  
- 2004 – 2007: FM Global Insurance Company
  - Senior Engineering Specialist**
  - Loss prevention and risk management in following areas:
    - o Fire and associated perils (F&EC)
    - o Boiler and Machinery (B&M or Mechanical and Electrical Integrity)
    - o Special Chemical Risk, Power Generation, Molten Materials and Pulp and Paper.
  - Job training: Internal training F&EC, M&EI and consultancy skills
  
- 2000 – 2004: AIB-Vinçotte International, Notified Body, Department Certest
  - Contract manager** Safety of Machinery, Specialist electricity & control systems
  - Certification according European Directives (Machinery, low voltage, work equipment, ...)
  - Codex, ARAB en AREI, ATEX
  - Managing contracts, quotations, coordination of projects,
  - Development and implementation of safety structures in larger accounts.
  - Health and safety coordination in the construction industry
  - Job training: Internal training contract manager and technical issues.
  
- 1995- 2000: IMEC Advanced Semiconductor Production, Pilot-Line
  - Maintenance Manager “Wet Processing”**
  - Defining, coordination and follow-up of preventive and corrective maintenance, focus on continuity, reliability and safety (2 engineers, 12 technicians)
  - Management of maintenance-budget and spare parts
  - Training of operators and technicians
  - Supervising subcontractors
  - Writing safety and maintenance procedures and instructions
  - Job training:
    - Specific process and hardware training in numerous countries including UK, Germany, Austria and the USA.
    - Communication skills; Relatiestudio Gent; 1998 (1 year cycle)
  
- 1988 –1995: Katholieke Universiteit Leuven, department of Solid State Physics and Magnetisme.
  - Design Engineer**
  - Management of the electronic laboratory (3 engineers, 4 technicians).
  - Design and integration of specific electronic equipment for different research teams.
  - Supervising the computer infrastructure and the network.
  
- Additional information**
  - Promoter of several safety related and academic thesis (over 20 years).
  - Languages: Native tongue Dutch, excellent knowledge of English and French, knowledge of German.

## References PROSAVE bvba

### General:

- Audi Brussels (Safety officer, Health and safety coordination, > 500 M€ project),
- DAF Westerlo (New Cabine Paint Shop, >100 M€ project),
- Fabricom (Functional safety, Brabo 2project),
- Spie (Functional Safety, RAMS engineer)
- ArcelorMittal (process safety),
- Barco (Robot integration project),
- Arcadis (Atex for soil remediation projects),
- Etex group (explosion risk study, product safety, project > 25 M€),
- Rio Tinto (CE-marking, functional safety, health and safety coordination),
- Südzucker group (CE marking, >10 M€ project),
- Visi (Behavior Based Safety training @ Total Raffinaderij Antwerpen),
- Vestas (Safety of wind turbines),
- Vleemo (Safety of wind turbines),
- Repower (Risk assessment),
- Ford Genk (Press shop safety),
- Umicore Hoboken (Risk assessment, HAZOP),
- Soubry (CE-marking, instructions and procedures),
- Haas Automation (Safety of Machinery),
- RPL engineering (CE-marking, instructions),
- Hebbelynck (CE-marking),
- Decoma Belplas (CE-marking),
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### Micro-electronics:

- TEL (China, Russia), Safety assessments of production plants
- Oerlikon (France), Safety assessments of production plant
- Schott Lithotec (Germany), CE marking
- Umicore Electro-Optical Materials (Belgium), Product safety
- Fujifilm (Belgium), Semi S2 projects, CE marking
- Unaxis Balzers (Liechtenstein), Semi S2 projects, CE marking
- Amis (Belgium), Product safety
- Provendum (Suisse), Risk assessment, product development
- S&K (USA),
- Evatec (Switzerland), Semi S2 projects, CE marking
- Seagate (USA),
- Layertec (Germany), product development
- ...