

CURRICULUM VITAE - Bert Van Opstal

Table of contents

TABLE OF CONTENTS	1
PERSONAL DATA	1
SKILLS & EXPERIENCE LEVELS	2
EDUCATION AND GENERAL KNOWLEDGE	3
PROJECT OVERVIEW	4
HOBBIES.....	6

Personal data

Address: Europe:
Meirhoevendreef 16, 2280 Grobbendonk, Belgium.

Africa:
Njara "A cell" – Boma
Fort Portal, Uganda
Po. Box 821, Fort Portal, Uganda.

Contact:



+32-(0)477-57 84 20



ceavo@hotmail.be + bert.vanopstal@ceavo.com



van.opstal.bert



<http://be.linkedin.com/pub/bert-van-opstal/46/aa4/878>



Date of birth: 18-09-1966, Herentals, Belgium

Family status: Married, 1 daughter, 3 adopted children

Companies: Self employed freelance engineer

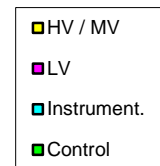
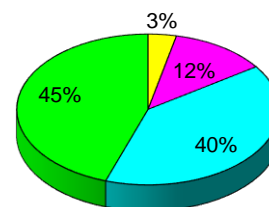
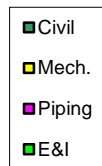
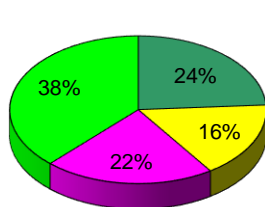
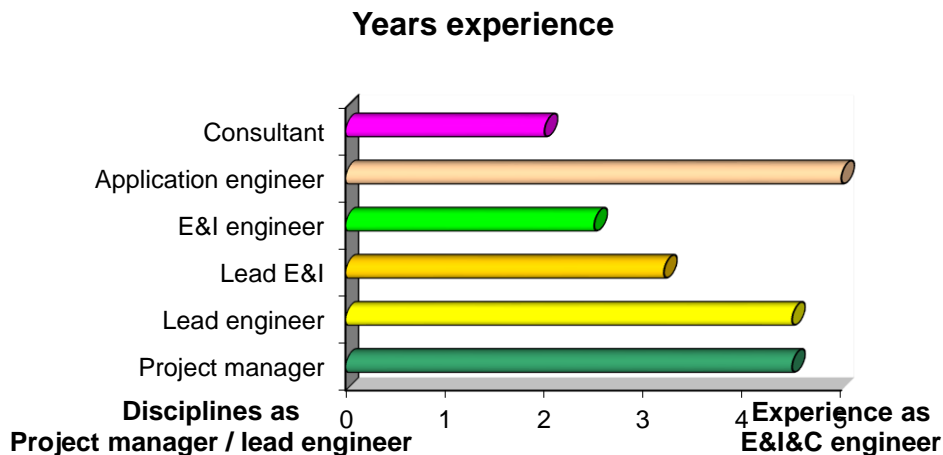
Company identification:

Ceavo BVBA, Meirhoevendreef 16, 2280 Grobbendonk, Belgium.
HR Turnhout 92645, VAT nr. BE 0476.311.075

Afritastic – Electronics & Tourist Gear – Rental & Shop
Fort Portal, Uganda

Afritastic Ruigo Resort (startup)
Kasenda, Uganda

Skills & experience levels



Main skills:

- **Feasibility studies**
 Writing of **scope** descriptions.
 Composition of **budget** calculations with cash outlays and project planning schedules.
Compliance with legislation, specs and standards like SEWESO, ATEX, ANSI, ASME, DIN, ISO ...
 Presenting and defending investment plans for financial and corporate management (international).
- **Basic engineering.**
Design of new production lines, warehouses and manufacturing facilities + innovation/revamp.
 Design of concept **P&ID's** / factory Master plans, quality plans, commissioning and service **specifications**. Design of technical specifications in multiple disciplines.
 Configuration of **cost control** systems. Composition of procurement schedules.
 Aligning and leading **steering committees** and engineering **teams** (multiple disciplines).
Risk inventory and analysis (HAZOP's, IEC 61508/61511, ISO) and writing of EHS programs.
- **Consultancy**
 Design of factory **standards** for process automation, E&I and mechanical/equipment.
- **Project execution / construction supervision**
 Writing of technical purchase **specifications**, negotiating **purchasing** contracts.
 Bid evaluation, purchase requisitions and order follow-up using ERP systems.
Management reporting. Processing of budget transfers and scope changes.
 Controlling, advising and **supervising** of contractors, construction workers and engineering teams.
 Assisting of **audits** and **certifications**. **Commissioning** and start-up. Assisting and follow up of **training** and implementation strategies. **Turn over**.
- **Detail engineering**
 - Working out **architectures for process control and E&I**(ERP/MES/DCS/PLC systems).
 - Design of system configurations, detail design of process control **software** (DCS + PLC).
 - Design process control and E&I installations (**diagrams / specifications / datasheets**) incl. cable calculations, switchboard design, hook-ups, **SIL** applications etc...
 - Design of P&ID's
 - Detail design of piping and pipelines (**routings / ISO's / specifications / QA & inspection plans**)
 - Design of test and **commissioning plans** for piping & E&I.

CURRICULUM VITEA – Bert Van Opstal

Education and general knowledge

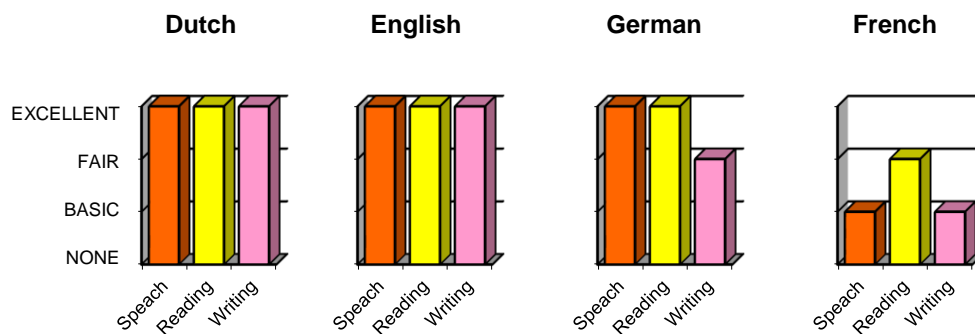
- 1978 – 1984** Technical high school mechanics/industrial sciences, Geel, Belgium.
1984 - 1989 Engineering studies (Master in industrial sciences) industrial engineer electro mechanics/computer sciences at the H.I.K., Geel, Belgium.

Army service: 1989 – 1990, truck driver in the Artillery in Büren, Germany. Grade: soldier.

Specific job courses and certificates:

- 1990: Sales and meeting communication techniques, VDAB Leuven, Belgium.
- 1992: TOPGUN Application/Service Course I + II Modicon, AEG Modicon ESC Halfweg, Netherlands.
- 1993: CL500 System course - Profibus - Fiber optic field bus Robert Bosch GmbH Erbach , Germany.
- 1996: SAP PDM R/2, Philip Morris Holland BV, Netherlands.
- 1996: Communication techniques / business communications. Zenith, Netherlands.
- 1997: Windows NT / Documentum. Philip Morris Holland BV, Netherlands.
- 1998: VVA1 / VCA certificate, PBNA Netherlands.
- 2000: SAP PDM R/3. Philip Morris Holland BV, Netherlands.
- 2003: VOL / VCA certificate according EN45013. Belgium.
- 2005: Jacobs in house course: Six Sigma – project and construction management for petrochemical projects
- 2008: SAP DMS R/3. Nyrstar N.V., Belgium.
- 2012: Oxygen applications - design and construction – Air Liquide, Belgium.
- 2013: renewal VOL / VCA certificate according EN45013. Belgium.

Languages

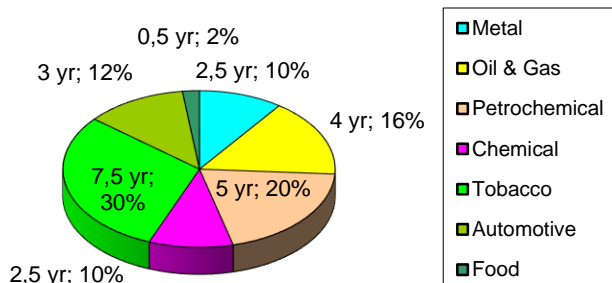


Computer knowledge

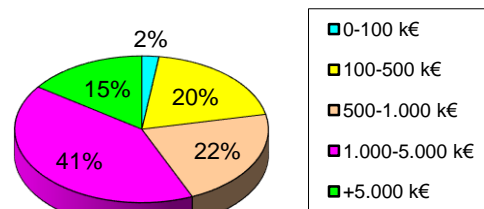
Microsoft	Graphics & CAD	Others
Project ●	Autocad ●	SAP ●
Word ●	Microstation ●	Documentum ●
Excel ●	INTools ●	Lotus Notes ●
Powerpoint ●	Visio ●	Acrobat reader ●
Access ●		
Outlook ●		
Explorer ●		
	LEGEND Excellent = ● Fair = ● Basic = ●	Google Apps (incl. GMail) ●

Project overview

Sector occupation spread



Budget spread



- 2000 > TODAY **Consultant instrumentation + risk inventory and analysis.**
 Through my own company (CEAvO bvba), writing standard technical specifications and assisting HAZOP's, LOPA's and SIL qualifications for engineering offices, petrochemical and base metal plants.
- 2013 > TODAY **Business owner & manager** tourist services and accommodations.
 Through my own companies (Afritastic Rental & Shop / Afritastic Ruigo Resort). Startup of small business with involvement and partnerships with local Ugandans. Construction and development of retail and tourist faculties.
- 2012 > TODAY **Project manager for Air Liquide, Champigny + Antwerp, France, Netherlands, Belgium**
 Project manager EPC projects for new gas pipelines and metering stations in north of Belgium and the Netherlands. Budgets: 500 k€ > 1.500 k€.
Main projects: New gas pipelines and metering stations for H2 and O2 distribution grid (incl. on public domain): design, procurement, construction and commissioning – all disciplines.
- 2010 > 2011 **Project manager for Umicore, Olen, Belgium.**
 Large metallurgic production plant. Major investment and revamp projects. Utility and production unit revamps. Multiple disciplines: civil, mechanical & piping, E&I. Budgets: 2.500 k€ > 4.500 k€.
Main projects: demolition and asbestos removal, new spray dryer plant, air compressors and distribution.
- 2010 > 2011 **Lead E&I engineer for Total Refinery, Antwerp, Belgium.**
 Engineering contractor (CONTEC, Antwerp, Belgium).
Main projects: Basic study, cost estimate and procurement of tank park control system (12.000 k€ - 160 tanks). ESD system (control & instrumentation) for several refinery production units (600 k€).
- 2009 > 2010 **Instrumentation engineer for Fluxys, Brussels, Belgium.**
 Gas pipeline distribution network and infrastructure.
Main projects: Development of instrumentation standards. Consultant for investment and revamp projects.
- 2008 > 2009 **Project manager for Nyrstar, Balen, Belgium.**
 Investment and revamp projects Zinc factory. Consultant best engineering practices, risk inventory and analysis, SEVESO legislation. Budgets: 60 k€ > 3.500 k€.
Main projects: E&I zinc refinery, revamp gas fired boilers, tank site sulphuric acid, reactor vessels
- 2007 > 2008 **Lead instrumentation engineer for Technip, Antwerp, Belgium.**
 EPC contractor. Basic + detail engineering (specifications). Procurement instrumentation and process control systems. Electrical (MV and LV), instrumentation, equipment and process control.
Main projects: SIKA and Ineos at Zwijndrecht. New catalyst plant, GHEO project at CRI, Gent (Shell).
- 2006 > 2007 **Lead E&I engineer for Lanxess Rubber, Antwerp, Belgium.**
 Butyl rubber plant. Budgets: 200 k€ > 6.500 k€.
Main projects: basic engineering and budgeting low- and medium voltage installations, instrumentation and process control. Electrical, instrumentation and process control for di-isobutylene spiking system.
- 2005 > 2006 **Lead E&I engineer for Borealis, Zwijndrecht, Kallo and Beringen, Belgium.**
 E&I account team leader for Jacobs, EPC contractor. Ethylene and propylene production plants.
Main projects: revamp projects, shutdown manager E&I.
- 2005 **Lead E&I and process control engineer for Ineos Phenol, Kallo, Belgium.**
 E&I account team leader for Jacobs, EPC contractor. Phenol production plant.

CURRICULUM VITEA – Bert Van Opstal

Main projects: new phenol production plant: HAZOP, Basic and detail engineering electrical (MV and LV), instrumentation and process control.

- 2004 > 2005 **Instrumentation engineer for Aker Kvaerner**, Antwerp, Belgium.
EPC contractor. Basic + detail engineering. Procurement instrumentation and process control systems.
Main projects: **GE Advanced Materials** at Bergen op Zoom, the Netherlands – sewer system, production unit revamps. Revamp poly-ethylene reactor, **Total Polymers**, Antwerp, Belgium.
- 1997 > 2004 **Project manager for Philip Morris**, Bergen op Zoom, the **Netherlands**.
Tobacco industry. Budgets: 100 k€ > 2.500 k€. Main projects:
- Study and project plan for replacement of the E&I and DCS/PLC system of a tobacco line.
 - Demolition of a tobacco conditioning line.
 - Replacement of an MCC and installation of a field bus system in a casing kitchen.
 - Implementation of a fire detection and prevention system. Laser- and IR technology. Sprinklers.
 - Installation of an emergency evacuation installation.
 - Installation and commissioning of processing cooling and refrigeration installation.
 - Replacement of process control and upgrade of the E&I of a chemical plant with CO₂ process.
 - Ergonomically lift devices for the manipulation of tobacco bales.
 - Study for the replacement of specific and proprietary process control networks (ERP/MES/DCS/PLC/HMI) with Ethernet TCP/IP solution.
 - Renovation and upgrade of a barrel storage. SEWESO and FM specifications.
 - Bag compactors and transporting system for a bulk powder installation.
 - Installation of a complete production line (silos, belt conveyors, stem flattener, drier, classifier).
 - Installation of a bulk storage and mixing installation for powders in a casing factory.
- 1997 > 1998 **Commissioning engineer for Opel**, Gliwice and Elsmere Port, **Poland** and **UK**.
EPC contractor FFT GmbH, Germany.
Main projects: Relocation and software upgrade of a production line for car hoods.
Detail engineering process control. PLC/HMI/robotics programmer. Commissioning and start-up.
- 1996 > 1997 **Process control engineer for Cargill**, Salzgitter, **Germany**.
Chemical industry. Automation of a ship bulk unloading/loading terminal for seeds.
- 1996 > 1997 **Project engineer for Philip Morris**, Bergen op Zoom, the Netherlands.
Tobacco industry. Barrel storage warehouse for explosive products with loading/unloading facilities.
E&I, field supervision and inspector civil, mechanical and electrical. Commissioning. PLC programmer.
- 1995 **Field supervisor & PLC programmer for Opel**, Antwerp, Belgium.
Automotive. EPC contractor FFT GmbH, Germany.
Main projects: New production line for the frontline of cars incl. automatic warehouse.
- 1995 **PLC programmer for Philip Morris**, Bergen op Zoom, the Netherlands.
Tobacco industry. Automation of a tobacco press and conveying system.
- 1995 **PLC programmer for Knorr**, Loosdrecht, the Netherlands.
Food industry. New palletizer and transport means for carton boxes.
- 1993 > 1995 **Project lead E&I for Cargill**, Salzgitter, **Germany**.
Employed at AEG. Chemical industry. Basic & detail engineering process control and E&I, Sales account on site. Field supervision and inspector process control, E&I. Budget: 5,5 milj. euro's.
Main projects: **Greenfield** project: Construction of a seed processing and malt plant. Silo-storage, press shop, extraction plant, bio-oil refinery, sewer, tank park with oil terminal and malt plant.
- 1992 > 1993 **Project engineer / service engineer for Opel**, Antwerp, Bochum and Russelsheim, **Belgium** and **Germany**.
Automotive. Basic engineering process control and E&I. Detail engineering process control and E&I. Field supervision process control and electrical. PLC programmer. Commissioning and start-up.
Main projects: process control and production line optimization body shop and assembly automotive plant.
- 1991 > 1992 **PLC / HMI programmer for Opel**, Antwerp, Belgium.
Automotive. EPC contractor De Dekker, Wijnegem, Belgium.
Main projects: Programming of a full-automated warehouse in the automotive industry. Random Access Scheduling Bank, PLC controls, crane controls.
- 1990 **Sales account for ED&A**, Antwerp, Belgium.
For PC's, PLC's and displays, electrical components and didactical material. Employed.

References are available on request.

Hobbies

Nature (hiking, animals, safaris, horse riding, gardening...)
Home construction.
Restoring machinery. Internet.