# Luc SALAETS

## Personals:

Gender:                 Male
Date of birth:          10 February 1959
Civil status:           Married
Current employer:       Retired from NOKIA
Last Position:          Technical Project Manager, IP & Optical Networks
Employed:               June 1979 – December 2020
Residence:              Metro Manila, Philippines
Citizenship:            Belgium
Email:                  luc.salaets@live.com
GSM:                    +63-917-8405533
Skype:                  sluc69
LinkedIn:               http://www.linkedin.com/pub/luc-salaets/70/830/4b4
School:                 Graduated with a degree in Electronics (1977)

## Technical Knowledge:

- Nokia PDH: 15xx multiplex, cross-connect, cupper/optical line equipment
  Pre-15xx equipment: 2Mbps MUX, high order MUX 8, 34, 140 Mbps and relevant line equipment.
- Nokia SDH: 16xx SDH equipment STM-1,4,16, ISA-ES1/4
- Nokia 1353AC, 1353NM, 1350OMS, 1511EM Network Management Systems
- Understanding of network-protocols:
  Ethernet 802.1D/1Q, 802.11xx, OSI, IP, TCP, UDP, X.25, SNMP, FTP, SSH, TELNET
- Notion of routing-protocols:
  MPLS, OSFP, BGP
- Computer OS:
  - Windows: Win3.1 to Win10, Windows server 2003 basics
  - Unix: HP-UX (10.x to 11.11), Solaris
  - Linux: Red hat Linux 5.x, KVM, UBUNTU desktop/server, Solaris
- VMware: Workstation, ESXi
- Programming: Visual Studio (.net VB), Joomla CMS, Apache NGINX, PHP, Javascript, HTML, CSS, MYSQL
  https://lukecv.info

## Skills:

- Pre-sales demos and technical support (customer queries)
- Integration with 3rd parties' equipment and services.
    - SCADA
    - Public Address
    - Automatic Fare Collection
    - CCTV
    - Train SIGNALLING
    - Radio (Tetra, other train radio systems)
    - Power Management
    - Building Management

- Supervision of project implementation.
    - Installation
    - Commissioning
    - Hand-over

- After sales:
    - Customer queries
    - Remote or onsite technical support (troubleshooting and multivendor interworking problem solving)

- Hands-on training


## History: (xxxx – yyyy means long-term presence and/or multiple visits during that period)

- 1979-1984: **Factory Production**: Test & repair of primary PCM, High Order PCM and FDM equipment.

- 1981: **Argentina**: Repair faulty PCM equipment for ENTEL and Fabricationes Militares.

- 1982: **South Korea**: Technical assistance for Public exchange line-test-desks at **Samsung** Daegu factory.

- 1983: **Israel**: PCM equipment troubleshooting.
**Colombia**: Repair of primary PCM equipment.

- 1984: **Lebanon**: 140Mb line equipment implementation (evacuated).

- 1985-1991: **China**. Implementation of Primary PCM & High Order PCM + optical line equipment as part of S12 projects in Beijing and Shanghai. Test and commissioning of signalling converters between existing analogue exchanges and S12.

- 1988: **Mexico**: Assisting INDETEL with troubleshooting Primary PCM installations and FDM testing in local factory
**Colombia**: Implementation of 1511 SPCM equipment for Baranquilla Gran Abastos

- **1989:**    **Chile**: Implementation of small order PDH 1511-SPCM equipment + short training.
  **Singapore**: Implementation of PDH 1511 SPCM equipment for SMRTC (subway)

- **1990:**    **Tanzania**: Implementation of PDH 1510 (trunk) PCM equipment for S12
  **Zaire**: Implementation of PDH 1510 (trunk) PCM equipment for S12 for a Belgian government sponsored project.

- **1991:**    **Singapore**: Demo of PDH 1510/1511 equipment for Singapore Telecom

- **1992-1993:**    **China**: Implementation of PDH 1641FL equipment for S12 Toll project nation-wide.
  **Moscow / Kaliningrad**: Implementation of 1510 (trunk) PCM equipment with S12 for Combelga

- **1994-2018:**    **South Korea**: Implementation of:
  o PDH primary PCM: 15xx, 1641FL, 1511MAX
  o SDH: 16xxSM(C)
  o Management: 1322NX, ACX40, 1353AC, 1353NM, NTP equipment, 1511EM

  Projects:
  o Seoul Metro lines 5, 6, 7, 8, Line 9,
  o Daejeon Line 1
  o Pusan Yangsan Line extension
  o Incheon Airport Express (IAREX)
  o Pusan-Gimhae LRT

  Taiwan:
  o Taipei Metro lines
  o Kaohsiung Metro lines

- **1996-2011:**    **Philippines**:
  o Assisting A-SEL with 1353AC implementation and 1511 troubleshooting for PLDT ASLMX project.
  o Implementation of 1540 MSAN for ETPI/Cable&Wireless project.
  o Implementation of Data & Voice network for Meralco Telecom group and Meralco eMVI group.

- **2000:**    **New Zealand**:
  o R&D Signaling converters
  o Implementation 1511 Network Management system

- **2008-2014:**    **UAE:**
  o Assisting with SDH/PDH network for TRANSCO (Toshiba)
  o Troubleshooting ETSALAT PDH network

- **2008, 2009:**    **Oman**: Assisting Al-Asateen with SDH/PDH network for Oman Petroleum Development Company

- **2009-2012:**    **Iran**: Assisting ELMATCO with Implementation of SDH/PDH access network for IPDC/IGMC (1511BA, 1353AC)

- **2010-2014:**    **Qatar**: 1511MAX/EM Implementation for Qatar Petroleum.
  **Saudi Arabia**: 1511BA and 1511MAX implementation for SEC.

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- 2012: **India:** Hands-on training 15xx, 1353AC
  **Japan:** 1511MAX demo with Toshiba Power Equipment.

- 2013-2018: **UK:** Network Rail PDH part. Support to maintenance team on PDH and 1353AC

- 2015: **Turkey:** TCDD network expansion adding 1511BA & 1511MAX

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