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Kervel 11, 8252CR, Dronten

[Herman.geerds@pro-ia.nl](mailto:Herman.geerds@pro-ia.nl)

+31 (0) 6 29 23 67 09

Function : Sr. Lead Engineer  
Date of Birth : 27-01-1978  
Nationality : Dutch  
Actual empl. : Yokogawa AU, Australia

### Education

- 1998-2002 Industrial / Process automation - University of Utrecht
- 1994-1998 MTS, Randmeer College Harderwijk

### Courses

- 2012 VB.NET training
- 2012 IEC61131-3 Programming in STARDOM
- 2012 DCS Centum VP
- 2011 INTOOLS SmartPlant Instrumentation
- 2011 Alarm Rationalization Service
- 2010 STARDOM controller (given)
- 2010 Best Practice Pilot training (Yokogawa DCS)
- 2010 Basic Offshore North Sea
- 2010 Alarm Rationalization Service
- 2009 NEN3140
- 2009 Effective writing Technical English
- 2008 FAST/TOOLS Version 901
- 2007 KEMA basic knowledge Power
- 2006 Network Architecture
- 2005 Stardom basic engineering
- 2005 "De Yokogawa engineer als ambassadeur"
- 2004 FAST/TOOLS internal structure & architecture
- 2004 ExaQuantum MES

### Skills

- languages: English, Dutch, German
- programming: Visual Studio, VB.Net SQL, RQL, IEC61131-3, JAVA,

### System Knowledge

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- PLC: Siemens S7, CITECT, Labview
- Allan Bradley PLC5, STARDOM
- Operating Systems: AIX, Windows (NT, 2000, XP, 2003, 2008, 7)
- FAST/TOOLS SCADA software
- STARDOM Control software
- Centum VP
- PI Data Historian
- Exaquantum MES

### Work History

Nestlé The Netherlands, October 2014 – now

- Sr. Project lead engineering Automation

Yokogawa Australia, October 2012 – September 2014

- Sr. Project lead engineering

Yokogawa Europe solutions BV, August 2006 – September 2012

- Sr. Project solutions lead engineering

Yokogawa SCE, January 2003 – July 2006,

- Solution engineer

SAPAS, January 2002 – December 2002

- Engineering on in-house projects
- Contracted at Yokogawa SCE service department
- (site) service engineering

### In general

Successful lead project engineer: Concept to completion, project feasibility studies, solution design, Detailed Design, Field Interface Design, System Configuration, Factory Acceptance, Implementation, Installation, Commissioning, Site Acceptance and Ops/Maintenance Training.

Development of control strategy, functional design detailed design with an understanding of the process and the Control solution itself.

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I gain satisfaction to see the team members growing in their daily activities to achieve the common goal. Proud when my input is recognized by the team members or / and end users. Proud to be awarded as 'inspiration team member' of the month.



**Nestlé Nunspeet – GOOPL (2014 – now).**

<t.b.a.>



**Origin Energy - APLNG (2012 – 2014) PAS.**

Sr. Lead engineer responsible for the Yokogawa FAST/TOOLS Team (15kpe) for the design, development, implementation of the SCADA - Operator Interface Systems, including ASM Principles, for the APLNG Upstream Project, which is providing the Coal Seam Gas (CSG) gathering, conditioning and transmission packages to the \$37B Australia Pacific LNG Project.

Initially the SCADA will service 1250 Well head RTUs, 7 Gas Processing Facilities, 2 Water Treatment Facilities, 3 Pipeline compression Facilities, 9 Water Gathering (Booster Pumping) Stations and a number of Pipeline Monitoring RTUs. Operator Interface Consoles will be provided at the Gas Processing Facilities and Water Treatment Facilities along with Regional Integrated Operating Centres (located at each CSG Field) and a Brisbane Central Control Room.

The system includes 1x Quad Redundant HAC Server with Direct Attached SSD Storage Arrays, 9 x Dual Redundant Interface Servers with Direct Attached Storage Arrays, 10 x Web Graphic Servers and 90 Operator Workstations. In its final implementation this SCADA (estimated to be 3 Million Tags) will service a Central Control Room, 6 Integrated Operation Centres, up to 10,000 WellHead RTUs, 20 Gas Processing Facilities, 4 Water Treatment/Transfer Facilities, 3 Pipeline Compression Facilities, approx 55 Water Gathering (Booster Pumping) Stations and 9 Main Pipeline Monitoring/Control RTUs along with integrated data from Yokogawa PRM Asset management System, ABB 61850 Electrification SCADA and ATMOS Pipeline Monitoring Systems.



**GDF Suez EP (2011 – 2012) Field Wide Control Solution.**

Sr. Lead engineer responsible for concept to completion of a control solution for 'end of life' offshore production locations into an existing SCADA solution. One template solution is developed with functions like well test application and gas flow AGA calculations. Successful completion, within budgeted time and cost constraints, and the future rollout of the concept where keywords for winning a global 'world class engineering award' in 2011.

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After this 'proof of concept' I've been involved in the offshore installation of the STARDOM RTU controller and rollout of this concept to 15 offshore production locations. Supporting the control room operators DCS support team and E&I engineers by development of training materials and an operating philosophy. It was a not to be missed and nice experience to train several groups of E&I engineers, DCS support team and CCR operators on shore and offshore, to gain comfort zone with the new control philosophy.



#### **Sakhalin Energy (2010) GTT Gas Transfer Terminal.**

Sr. Solution engineer responsible for project setup, basic design of a pipeline extension for Sakhalin Energy. Gas from pipeline used to generate electricity, and used for gas consumption local population. Control, manipulation and visualization merged into the existing Pipeline control SCADA system. Local solution controlled by STARDOM and PROSAFE RS Safety system.



#### **GDF Suez EP (2009) Field Wide Control Solution.**

Basic design, testing and commissioning of 3 GDF Suez EP offshore locations equipped with Yokogawa CS3000 systems into one central SCADA solution serving the onshore CCR control room in Den Helder.



#### **Shell OneGAS (2005 - 2008) Field Wide PAS solution.**

Basic design of the Field Wide PAS SCADA solution. The system covers Data acquisition, manipulation and visualization of 19 offshore locations via WAN to a central control room.

Testing and commissioning of 19 offshore locations controlled by Centum, Invensys and Honeywell solutions into one central SCADA solution. 100% coverage of different local offshore control systems like Yokogawa SIEMENS Honeywell and Invensys.

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**NAM ACC (2008).**

Sr. Lead engineer responsible for the Brownfield upgrade of a centralized control automation solution monitoring an onshore gas production field. Data acquisition (many differ interfaces), manipulation (forecast calculations) and visualization of different local solutions.

Installation, commissioning and extending the onshore field wide SCADA system for the NAM.

**Eneco Power Distribution (2006).**

Control of 140 local STARDOM controllers into one FAST/TOOLS SCADA solution via GPS Satellite system. Supported the project team during a difficult pre-FAT phase of the project. Able to make a good contribution to complete the project within the specified time frame.

**Alewijnse Marine Technology (2006).**

In close cooperation with Alewijnse a new FAST/TOOLS SCADA solution for luxury yachts has been developed and implemented. Communication with the Siemens S7 PLCs and implementation of several typical concepts supporting dynamic implementations of various luxury yachts.

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**Saudi Aramco (2005).**

Upgrade Shedgum and Uthmaniyah Gasplant SCADA system Lead engineering for which concerns an upgrade of two Unix based SCADA systems to two Windows based SCADA systems. Responsible for design input baseline, upgrading, FAT and site implementation.

**Saudi Aramco (2003-2005).**

East West Pipeline control and automation system on a 1200 km pipeline from Eastern Saudi Arabia to Yanbu, Saudi Arabia's Red Sea Coast with a capacity of 4.5 Million barrels of oil per day. Involved in the feed study detailed design implementation configuration FAT Site Installation and Commissioning of the pipeline solution system. Lead engineering of the brown field type upgrade project within a team of 6 solution engineers. Focal point for Aramco Operations with a strong focus on site 'change over' scenarios and delivering the highest possible quality and reliability. The solution concerns local pipeline compression stations controlled by Siemens S7 PLC system, FAST/TOOLS SCADA solution, ATMOS pipeline monitoring system, PI plant information data historian and an alderley metering and berth loading solution in Yanbu.

**Modec FPSO Baobab (2004).**

Site activities implementation of the floating production, storage and offloading unit (FPSO) Baobab in Ivory coast. This concerns a FAST/TOOLS SCADA solution supervising subsystems including the Yokogawa STARDOM RTU controller and Yokogawa ProSafe controller. Role of site coordinator for the SCADA system has been performed under extremely stressful circumstances.

**MEARSK (2002) Tyre East and Tyra West.**

Site service engineer on the Tyra Field offshore fields in Denmark. The Tyra Field has two production complexes named Tyra West and Tyra East, connected by pipelines. In total, the field has 20 gas-producing wells, and 28 oil and gas-producing wells.

Responsible for detailed design, red – blue set mods, implementation, FAT and commissioning of safety mod packs on an operational offshore production location. The system consists of a Allan Bradley PLC controller visualized by a FAST/TOOLS SCADA system.

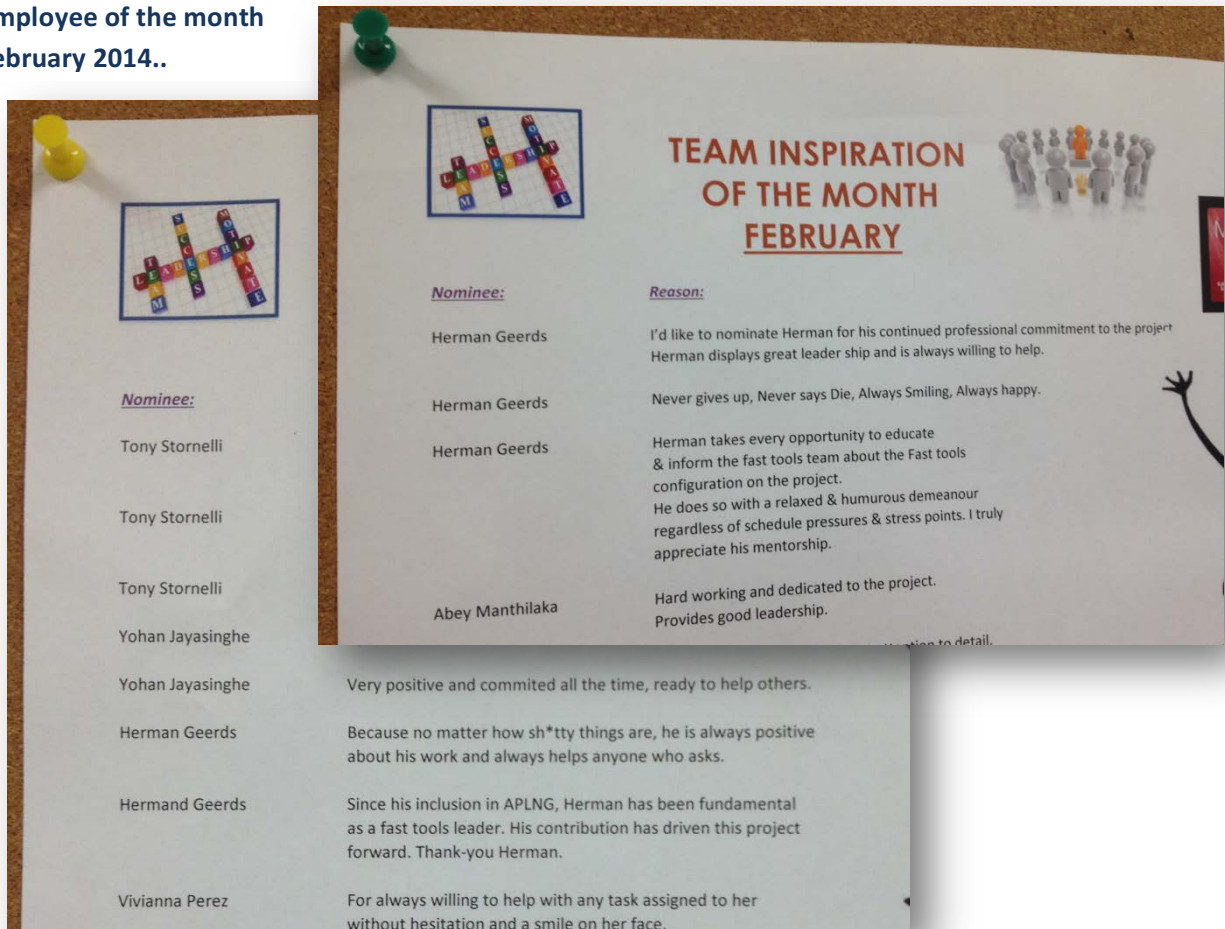
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Finally, proud to be  
employee of the month  
February 2014..



The image shows two overlapping photographs of nomination cards pinned to a corkboard. The top card is titled "TEAM INSPIRATION OF THE MONTH FEBRUARY" and lists nominees and reasons. The bottom card is partially obscured but shows a list of nominees.

<u>Nominee:</u>	<u>Reason:</u>
Herman Geerds	I'd like to nominate Herman for his continued professional commitment to the project Herman displays great leadership and is always willing to help.
Herman Geerds	Never gives up, Never says Die, Always Smiling, Always happy.
Herman Geerds	Herman takes every opportunity to educate & inform the fast tools team about the Fast tools configuration on the project. He does so with a relaxed & humorous demeanour regardless of schedule pressures & stress points. I truly appreciate his mentorship.
Abey Manthilaka	Hard working and dedicated to the project. Provides good leadership.

Very positive and committed all the time, ready to help others.

Because no matter how sh\*tty things are, he is always positive about his work and always helps anyone who asks.

Since his inclusion in APLNG, Herman has been fundamental as a fast tools leader. His contribution has driven this project forward. Thank-you Herman.

For always willing to help with any task assigned to her without hesitation and a smile on her face.