

Name	Frank Olav Karlsen
Date of birth	07.04.1976
Nationality	Norwegian
Language	Norwegian (native), English
Profession	BScs Electronics and Computer science
Position	Technical Manager Control Systems/Automation

EXPERIENCE SUMMARY

Engineer (bachelor) with technical educated background within electronics and computer science. More than 15 years working experience from SAS, automation, instrumentation and electrical scopes within offshore related projects, service, support, trouble shooting and commissioning.

Experienced in safety systems (F&G/ESD/PSD), Drilling Control systems, HVAC, wellhead control and automated vessel utilities in general. Covering: PLC (Siemens, GE, Allen Bradley), HMI/VDU (Siemens, GE, Rockwell, InTouch, Stahl), fire panels (AutroSafe, BS100, Eltek), instrumentation and industrial networks.

Experience as electrical supervisor and 3rd party inspection/verification.

Knowledge of related standards/regulations (NORSOK, ISO, IEC, etc., including Statoil governing documentation).

High working capacity. Handles stressful and hectic periods well – especially on site.

Fluent English (written and spoken), native Norwegian. Willingness to travel.

EXPERIENCE

11.16 – Present SPEO Products AS

Technical Manager Automation

- Develop technology for electro-hydraulic solutions
- Project manager
- Automation consultant. Programming, testing and commissioning (Norway, Saudi-Arabia, UK) onshore industrial projects, offshore oil and gas industry projects and floating windmill pilot project (Hywind).
- Installation lead, offshore safety systems (F&G) upgrade.
- Project coordinator, offshore safety systems (ESD) upgrade.

07.14 – 10.16 Origo Solutions AS

Service & Operations manager

- Responsible for Service & Operations activities
 - Managing personnel and projects for service and support
 - Responsible for the company 24/7 support service
 - Contract responsible for service & support agreements
- Responsible for Integrated Operations
 - Defining the company concept for integrated operation
 - Responsible for Remote Support Center
- Follow up service jobs from the office and on site and participation in service jobs and upgrades. Ensure good communication between client and supplier on site.

02.14 – 06.14 North Atlantic Drilling (Consultant via Roxel)

Electrical Supervisor

Winterization, classing and maintenance of West Alpha at Westcon Yard, Ølensvåg, Norway

- Supervising jobs and packages related to electro/automation
- Heat tracing, heated walkways, steam heaters/fans, HVAC, Ice Defense, Wind Enclosures, Subsea
- Commissioning, MC, handover
- Ensuring good workflow and communication between different companies and professions.
- Verification and quality checking. Also checking jobs against current standards (NORSOK, ISO, etc.)
- Reporting to package owners and project management

07.13 – 06.14 Roxel Products AS

Senior Service Engineer

- Supervisor Electro/Automation (Rig Upgrade, classing and winterization)
- 3rd party inspection (Energyst (CAT) - XQ Offshore Power Modules)

- Customer Support
- Service Electro/Automation (Offshore - North Sea and African West Coast)
- Equipment Testing (Intelligent Operator Chair, Drilling machines/equipment, Riser Tension, HPU)
- PLC/HMI Programming (Siemens, Allen-Bradley, Stahl)
- NORSOK and ISO regulations

05.11 – 06.13 Cameron Sense

Software Engineer

- Follow-Up on (sub)suppliers, local and abroad (Denmark and Singapore)
- Equipment Testing (IAT/FAT) of drilling control systems, LIR/LER, Drillers Cabin, IOC (intelligent operators chair), HVAC control
- HVAC Control systems
- Industrial network design (Profinet, Profibus, Ethernet)
- PLC Hardware configuration and communication setup.
- PLC software for drilling control systems.
- Computer utility software for drilling control systems (highspeed data loggers, CCTV, etc.).

04.03- 05.11 Origo Engineering AS

Project Engineer / Senior Engineer / System Specialist Technical

- HMI and PLC software engineering for fire & gas detection systems, ESD systems and process control for offshore installations
- IAT/FAT testing, commissioning and customer support for company delivered installations offshore
- Project manager for service projects
- Customer liaison
- After sales
- Consultant for Aker Solutions

06.02 – 04.03 Aker Solutions MH

Application Engineer

- Engineering of HMI systems for offshore drilling control system (100+ screens on systems with more than 20 clients, more than 15 PLC nodes, redundant HMI servers, database server, CCTV, etc.)
- Responsible for performing FAT with customer to verify the HMI application.
- Follow-up commissioning from the office towards construction yards and sites.

EDUCATION

1999 – 2002	Bachelor's degree in computer science
1997 – 1999	Technical College – Computer electronics
1996 – 1997	Norwegian Army – Mobile Infantry
1993 – 1996	Technical high school – Electronics, computer electronics

COURSES

AutoSafe Configuration - Autronica
 First aid course
 FSE
 Safe Job Execution
 Offshore Basic Safety and Emergency Training
 SIL-GL/IEC 61508, part 1
 Industrial Network Security & Remote Access (Phoenix Contact) (1 day)
 Minimum Industry Safety Training -MIST (4 hours)
 Mærsk H2S Gas Course (1/2 day)
 Obligatorisk opplæring for verneombud, medlemmer av arbeidsmiljøutvalg og ledere (40h)