

Name Carlos Briceno  
Date of birth 10.06.1971  
Nationality Norwegian  
Language Norwegian, English, Spanish (native)  
Profession BScs Mechatronics  
Position Design Engineer Hydraulics

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## EXPERIENCE SUMMARY

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**Experience as hydraulic responsible for several drill equipment and pipe handling Systems. Responsible for concept and design of the products as well as support during testing at workshop. Experience in troubleshooting and support of equipment during operation.**

### ACHIVEMENTS:

- Design of new heavy-duty tong for roughneck.
- Drawing of the fluid power circuit diagram for the roughneck.
- Specifications documents for the hydraulics blocks according to standards, rules and regulation.
- Redesign of standard roughneck with focus in components, assembly and maintenance cost reduction.
- Cooperation between mechanical department and the suppliers to get the best solutions.
- Close cooperation with the control system department for choosing the right kind of components that cover the requirements of responds time and accuracy of the equipment and specifications for ATEX certification and IP code (International Protection Marking).
- Participate in the Failure Mode, Effects and Criticality Analysis (FMECA).
- Troubleshooting of stabilizations problems in different type of cranes.
- Part number application according to internal procedures.
- BOM handling.
- Checking and approval of fluid power circuit diagram according to checklist.
- Hydraulic calculations.
- New design of 350 bar HPU on offshore Ram Rig.
- Experience in performing FAT on equipment.

## EXPERIENCE

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01.21 – Present SPEO Products AS

***Design Engineer Hydraulics***

- Develop technology for electro-hybrid solutions

06.18 – 02.21 On & Offshore Services As

***Mechanic/instrument plumber***

- Mechanic at Johan Sverdrup Process Platform 2 project
- Instrument Plumber at Njord Bravo project
- Mechanic at Gullfaks B and C platforms
- Mechanic at Askepot rig
- Commissioning mechanic at Johan Sverdrup Hook Up project

04.18 – 05.18 Royal Industri services

- Mechanic at Blackford Dolphin

03.18 – 04.18 Titech as

- Mechanic supervisor at Songa Enabler

05.11 – 06.13 mhwith

**Hydraulic engineer**

- Hydraulic design, calculations, and schematics
- Redlines mark-ups of hydraulics schematics
- Assembly follow up
- Technical support to aftermarket
- Hydraulic responsible for roughneck portfolio
- Hydraulic responsible at the development project for mhwith new roughneck (RNX)

12.06- 04.07 National Oilwell Varco

**Hydraulic engineer**

- Hydraulic design, calculations, and schematics

**EDUCATION**

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**08.2020 – ongoing**

School: Technical college I Agder  
Degree: Technical college Engineer  
Field of study: Automation

**08.2003-06.2006**

School: University of Agder, Grimstad  
Degree: Bachelor  
Field of study: Mechatronic

**08.1995 – 06.1997**

School: Technical college in Kristiansand  
Field of study: mechanical engineering

**08.1991-06.1992**

School: Kvadraturen High School, Kristiansand  
Field of study: plate welds and steel structures

**08.1990 – 06.1991**

School: Kvadraturen High School, Kristiansand  
Field of study: basic course mechanical subjects

**COURSES**

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2020, Oct	KRM	Predictive maintenance and digitization
2018, May	ts group	Fittings & Smallbore Systems Norsk olje og Gass retnings linje 143
2018, Feb	IKM testing as	Flange work according to NS-EN 1591
2017, Jul	Falck Nutec	Offshore basic safety course
2017, Feb – May	University of Agder, Grimstad	HSE theory and practice
2017, Jan	Kiwa technological institute	Risk analysis in practice
2016, Aug – Dec	University of Agder, Grimstad	Software development
2016, Jun	NTI CADcenter AS	Autodesk Inventor-Basic 1
2016, May	Nito/Lean communications	Lean six sigma yellow belt