


LIVE ONLINE PCP TRAINING

keep it moving 



Acquire key knowledge on Progressing Cavity Pumps in 4 half-days with our online *Back to School*. The following themes are covered:

- PCP Principle & Manufacturing,
- Range of Products,
- Selection of PCP System,
- Field & Workshop Operations.

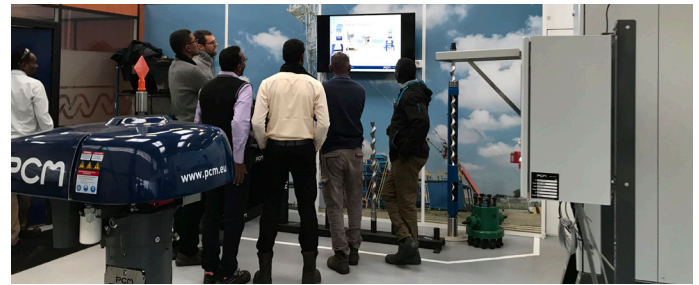
The course will be led by PCP engineers with extensive experience in design, manufacturing and field operations.

▶ TRAINING

- **Content:** PCP manufacturing, theory, selection, operation
- **Who should attend?** Oil operator professionals from production, artificial lift, workover, engineering, well performance, maintenance, or completion departments.
- **Duration:** 4 days, 3 hours each day
- **Organization:** Courses through Video conference (MS TEAMS – No license required); Participants: 6 min / 12 max
- **Language:** English (Spanish on demand)
- **Price:** 600 EUR per participant for the full training
- **Registration:** Contact your local PCM representative or visit us at <https://pcmals.com>
- **Certificate:** An official training certificate will be provided at the completion of the training.



Artificial Lift Solutions



Day #1 PCP PRINCIPLE & MANUFACTURING		
Time	Module	Highlights
9:00 09:20	Welcome & Introduction	Program presentation, round table
09:20 09:45	PCP principle	Basics of the Moineau™ principle
09:45 10:15	PCP Geometry	Benefits of the various PCP geometries: pitch, eccentricity, swept angle
10:15 – 10:30 // Break		
10:30 11:30	Elastomer swelling and rotor sizing	Different rotor sizes and their uses; case study: selection for your application
11:30 12:30	Elastomer theory	The elastomers used in PCPs in artificial lift, how they are selected, and how they perform downhole

Day #3 PCP SELECTION & OPERATIONS #1		
Time	Module	Highlights
9:00 10:00	PCP system selection	Selection guidelines for PCP applications
10:00 – 10:15 // Break		
10:15 11:15	Test bench	PCP testing procedure & results interpretation
11:15 – 11:30 // Break		
11:30 12:00	Installation & Start up	Best practices for running in hole and starting-up a PCP
12:00 12:30	Maintenance	Drivehead and accessories preventive maintenance

Day #2 PCP TECHNOLOGIES		
Time	Module	Highlights
9:00 10:00	Manufacturing process	How PCPs are made at PCM
10:00 – 10:15 // Break		
10:15 11:15	PCP technologies – Part I	Elastomer PCP, HRPCP, AMPCP
11:15 – 11:30 // Break		
11:30 12:30	PCP Technologies – Part II	Surface equipment, accessories

Day #4 PCP SELECTION & OPERATIONS #2		
Time	Module	Highlights
9:00 10:00	PCM Design software	How to simulate PCP system with software
10:00 – 10:15 // Break		
10:15 11:15	Failure analysis	Benefits, required data and methodology
11:15 – 11:30 // Break		
11:30 12:30	Operators challenges	How to manage high sand, gas, viscosity or focus on your specific challenge
12:30 13:00	Closing	Quiz, Presentation of certificates, Conclusion



PCM can tailor training to meet specific needs. Contact us for a proposal.



PCP training

TRAINERS

Alban PIERCHON
Service Product Champion, PCM ALS



Alban is our ALS Operation Manager at PCM ALS based in France. He has been working for 15 years in PCM as Country Manager in Oman, in different Marketing and Technical Sales roles for Europe and Africa, and as Area Manager based in Congo. He earned a petroleum engineering master's degree from Institut Français du Pétrole, after which he worked for oil company Perenco as a field engineer and a petroleum engineer before joining PCM.

Franck OLLIVIER
Service Manager, PCM ALS



With a diploma of Higher Education in Automation and after several experiences in maintenance department of various markets, Franck joined PCM in 2006 as ALS field Engineer, where he installed PCPs all over the world for 3 years. In 2009, he was transferred to Oman as operations manager to supervise field service activity and equipment performance, back in France in 2012, Franck took the position of global service manager till mid 2021. Today he is our WW Surface Transfer Pumps Operations Manager.

Gregoire CROTTÉ
ALS Technical Team Manager



Graduated with a Master of Engineering with fluid mechanics specialty. Previously Rotating Equipment specialist in an O&G engineering company. Moved to PCM 15 years ago as Project Manager: responsible for design, manufacturing, subcontracting, documentation and delivery schedule of special surface transfer pumps, compliant to API standards. In 2011, he became our ALS product champion. Today, he is the PCM ALS Technical Team Manager in charge of product design, deployment, performance tracking, analysis and optimization.

Paul SKOCZYLAS
Product Champion, PCM ALS



Paul has 25 years of experience consulting with oil and gas companies worldwide in diverse applications and conducting applied research in areas related to production engineering; in particular, working with PCPs and ESPs. He is recognized as industry expert in PCP systems. In addition, he has over 15 years of experience studying reliability of artificial lift systems. He has a solid understanding of multiphase flow in wellbores and its effects on artificial lift systems, and also has experience in heat transfer and thermodynamics. Paul joined PCM in 2019 as ALS Product Champion.

