

PCM Oil & Gas ▶ Opening new frontiers



Oil & Gas Services

For progressing cavity pumps



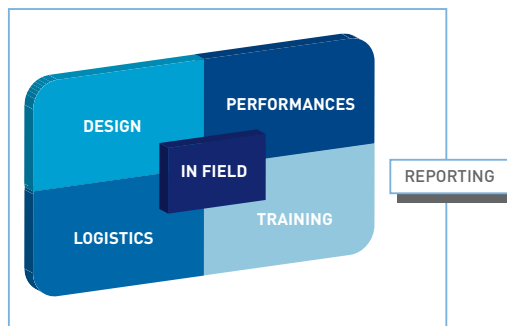


➤ Your worldwide service partner

PCM Oil & Gas Services offers a modular range of support services for our pumps used in oil and gas production around the world. Available on a one-off or contract basis, they go beyond field assistance to cover the whole scope of a project, from design and logistics to performance optimization and knowledge transfer.



Services Offering*



A Culture of service

Our engineers and technicians are highly trained and bring their knowledge of PCM technology to bear on every project. Constantly striving to understand your needs and improve their responsiveness, they perform each mission in accordance with your Health, Safety and Environment policy and organizational procedures.



Permanent feedback

Communication and feedback analysis are key factors to ensure constant improvement. In accordance on the scope of our mission, we provide real-time information and clear reporting of our progress, with the results of our work.

Performance focused

All of our services are designed with one goal in mind: optimizing the performance of PCM systems. From preventive maintenance to spare parts management, pump optimization to training, our sole objective is minimum production downtime.

* Modules detailed from page 4 to 7



➤ The human component of our pumps

When you work with PCM, you work with the Progressing Cavity Pump specialists. Operating around the world, they provide highly responsive, custom-tailored services. They also understand the constraints of the oil & gas business and are trained in cultural awareness.



Field Project Leader

Experienced field supervisor with sizeable project management skills. Helps draw up service contract. Oversees implementation of PCM solutions. Manages project and field services teams in collaboration with Area Manager. Proactively proposes strategic improvements to increase pump performance.

Field Supervisor

Leads maintenance and well optimization projects, with good management skills, recommends improvements to pump performance based on well data. Can conduct in-depth failure analysis in the workshop. Also provides advanced theoretical and practical training.



Field Engineer

As rig team leader, supervises pump equipment installation, including well dynamics and electrics. Can perform basic mechanical and electrical troubleshooting. Reports to customer concerning installation and operations. Also provides practical training.

Field Technician

Responsible for on-site preventive maintenance and equipment inspection. Records performance data and provides troubleshooting services for parts inventory management.





➤ Design: where it starts

No two wells are the same, which is why we provide design services to help you adapt your PCM pumps to the characteristics of each well. Time invested in the design phase can yield important efficiencies in the field.

Range of Services:



Pump Production Optimization

Using PCM Design software and the experts of the PCM Flow Technology Center, we employ a proven methodology to find the best pump for your application and operating conditions. Pumps are selected in close collaboration with our customers. PCM Design™ Software is also available as a tool to help your decision making.

Elastomer Compatibility

Prior to the final elastomer selection, we conduct a 20-day swell test using crude oil from the field where the pump will be installed. The test ensures that the elastomer selected corresponds to the viscosity, abrasion and other characteristics of the oil that will be pumped.





➤ Performance: lift more

There's no such thing as "buy and forget" when it comes to artificial lift pumps. That's why we provide a complete range of in-field services that make sure your pumps operate at their best over their lifetime, saving you time and money.

Range of Services:



Pump Installation & Commissioning

PCM progressing cavity pumps are one of the world's simplest and most efficient artificial lift systems, as long as they are installed and commissioned properly. Through pre-operational checks and close monitoring of all equipment, PCM field implement stable and secure production.

Periodic and Preventive Maintenance

Maintenance services for PCM pumps are provided by our highly trained personnel. This ensures that pumps and surface equipment are maintained at optimal operating levels. Our careful monitoring and expertise helps to minimize production downtime and increase the global run life of the system.



Well Testing Services

Well testing with a PCM Progressing Cavity Pump enables fast clean up of low-pressure, sandy heavy oil wells. It saves rig time and avoids the use of nitrogen and swabbing during clean up. In addition, it is possible to test wells under natural flow conditions and obtain valuable reservoir data.

Failure Analysis

Using a step-by-step, in-depth investigative methodology, PCM provides comprehensive root causes analysis reports. The findings enable us to recommend corrective actions that will prolong the life of the other pumps in the field, including preventive maintenance and upgrades.





➤ Logistics: always be prepared

Operating vast oilfields, often in remote locations, can be a logistical headache, especially when it comes to installing and maintaining artificial lift systems. The aim of our logistics services is to ensure that our pumps and parts are ready and available when you need them. The result is better coordination and less downtime.

Range of Services:



Purchase order tracking

To help you optimize your logistics, we provide regular reporting on outstanding orders. The report includes detailed logistical information about the order status, from manufacturing through to delivery at the agreed location.

On-site parts management

The availability and condition of spare parts impacts a pump's production uptime, especially for remote sites and in regions with multiple fields. We advise your warehouse managers on the best way to anticipate your needs, and store and manage PCM parts. The benefits include reduced inventory and shipping costs, optimized stock levels and smooth operations.





➤ Training: acquire PCP knowledge

Intensive training sessions adapted to your specific needs are available for your engineers, technicians and operational staff. They provide a comprehensive understanding of the operating principles of the PCP as well as hands-on learning of installation, operation and troubleshooting of PCM pumps.

Range of Services:

PCM Learning Center

The PCM Learning Center in France hosts training sessions that cover the Moineau principle, manufacturing processes, pump design and selection, surface equipment and drive power, and repair workshop management. During their time in the birthplace of PCP technology, you can rest assured that your personnel are in good hands and will be well taken care of.



On-site training

PCM provides on-site training of your field staff for PCM downhole and surface equipment installation, troubleshooting, inspection and maintenance procedures. Sessions are held in the classroom and in the field.



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PCM

Keep it
moving