René MOINEAU, born in 1887, was awarded a science diploma in Nancy. Manager of the research office at Breguet, he became a test pilot and participated in major airplane and hydroplane events.

With this competitive spirit, he tried to surcharge his engine with a compressor, and that is how he invented the principle of the “progressive cavity” and the original geometry of the eccentric screw pump which was patented in 1930.

The brilliant idea required capital and this is where Robert BIENAIME, engineer from the Ecole Centrale de Paris, former aviator and former director of the GÉVELOT Group became involved in the birth of the PCM Group.

The first “MOINEAU™” pump was made of cardboard by Mr. René MOINEAU and shown at the Inventors’ Exhibition (LEPINE competition). The rotor was made up of slices of cardboard glued to each other.
René MOINEAU and Robert BIENAÎME found the “Pompe Compresseurs Mécaniques” company established in Vanves in a small building with three adjacent workshops.

The research and manufacturing of pumps began thanks to tooling produced on site and by modifying second-hand lathes. A workshop for the fabrication of rubber stators was also created.

Starting in 1946, René MOINEAU, upon his return from a trip to the USA, decided to modernize the workshops. The company then grew steadily, the stator fabrication workshop expanded and new presses were ordered.

The GÉVELOT company acquired the Belgian “la Métallurgie Franco-Belge” company in Issy-les-Moulineaux and decided to integrate PCM within a new entity, La SOCIETE DE MECANIQUE ET DE METALLURGIE (SGMM).

The GÉVELOT company also established a new factory to increase its brass production, S.A. FONDERIES ET LAMINOIRS D’ANJOU (FLA) on a 29,000 square meter plot in Champtocé-sur-Loire, which would also be integrated into SGMM.

The first pumps were presented at the Paris Fair in 1933.

Customer references

1932

President of PCM
1940-1960
Jacques BIENAÎME

1946

First production workshop in Vanves

PCM building in Vanves

First PCM advertisement

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The first pumps were presented at the Paris Fair

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Customer references
The effects of the lack of space were felt. PCM extended its production unit into new workshops in Vanves and set up a large functional warehouse, an assembly workshop for longer pumps, and a new paint booth while at the same time expanding the rubber workshop.

Beginning in 1970, the space freed by the workshops transferred to Champtocé-sur-Loire permitted the construction of an office building in Vanves in which PCM occupied the first two floors.

A first step consisted in decentralizing the stator fabrication workshop in the month of May 1972 followed by the warehouse, assembly, and paint booths in April 1973.

In Vanves, the urban plan evolved whereas at Champtocé-sur-Loire the FLA company encountered difficulties. PCM sought space to expand and the workshops were then transferred to the FLA factory in Maine-et-Loire.

President of PCM
1964-1974

Jacques FOUGERAY DU COUDREY

13 people in Champtocé-sur-Loire
PCM acquired the PRECI-POMPE company (located in St. Denis) which is transferred to Vanves.

The prototype testing department was transferred to Champtocé-sur-Loire due to a lack of space, and the laboratory was to follow the next year.

Launch of the Rodemip shaft pump driven by a surface motor for deep oil applications.

The beginning of this decade was essentially focused on investments for the Champtocé-sur-Loire factory.

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Launch of IVA/LVA hopper pumps.

PCM took its first steps toward information technology and acquired two computers: one for inventory management and the other for managing accounting.

PCM formed an alliance with the IFP (French Oil Institute) and created EMIP (Entreprise Moineau Institut—Moineau Business Institute) in order to develop the progressive cavity pump (PCP) for oil production.

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SGMM (S.A.) became PCM POMPES.
The Vanves factory was closed definitively.
The means of production were transferred to Champtocé-sur-Loire where the purchase of new lands permitted the expansion of facilities and the gathering of all the production units in one location (including the Preci-Pompe production unit).

- With our agent in ENGLAND which resulted in the creation of PCM Pumps Limited.
- With the DELASCO agency in Germany which resulted in the creation of PCM Delasco GmbH.

To ensure development for export, management decided to take a stake in foreign companies:

- With our agent in ENGLAND which resulted in the creation of PCM Pumps Limited.
- With the DELASCO agency in Germany which resulted in the creation of PCM Delasco GmbH.

PCM decided to expand its volumetric pump line and became a majority shareholder in the DELASCO™ company.

THE INDUSTRIAL ERA
Over the course of 10 years, under the leadership of Paolo MARTIGNONI and Philippe DESTOURS, the company equipped itself with high performance tools while massively increasing the floor space of its production facilities in Champtocé-sur-Loire (from 4,000 to 13,000 square meters).

President of PCM
1989-2000
Philippe DESTOURS

1991

1992

1989

1991

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- With our agent in ENGLAND which resulted in the creation of PCM Pumps Limited.
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In 1992 the gathering of all the production units of PCM Pompes into one site was completed. A building was built to house Delasco™ and Preci-pompe.

The research office was modernized and equipped with the first CAD (Computer Aided Drawing) workstations.
In October 1993, on the occasion of the Pollutec exhibition, PCM Pompes launched a new line of dry membrane electromechanical measuring pumps: The “Lagoa” line was born.

PCM established an oil sales department, PCM MOINEAU OILFIELD product division.

PCM developed its oil business in Venezuela with its distributor Equimavenca.

PCM MOINEAU OILFIELD product division.

A cooperation agreement was signed on April 15, 1993 in which PCM Pompes took a 45% share in the KUDU company.

1993

1994

Dosys™ Food System

1996

265 people
PCM ABROAD

With the opening of PCM in Houston and of PCM in Shanghai, the first foundations of future clusters were laid.

2004 - 2001
USA: PCM USA Inc. in 2001
China: PCM Trading Shanghai Co Ltd in 2002
Tunisia: PCM Tunisia in 2003
UK: PCM Group UK Ltd in 2004

PCM launched its first internet site in 1997.

2003
PCM innovated and launched numerous new items some of which would become true Bestsellers.

1997
PCM extended its Delasco™ peristaltic line

Compact Pump
Launch of the H pump
GBB Moineau™ pump

PCM Delasco
augmente en puissance avec les pompes DSC 80 et DSC 100

2 options sont disponibles : un trou de mise sous vide en silence de choc rotatif de "D" de tube.
Do your wells produce high pressure, multiphase fluids?

To avoid costly in-field fluid separation, use PCM Troika™. It pumps multiphase liquids with all the advantages of PCP – steady performance, non-pulsating flow and zero emulsion.

PCM Troika is perfectly suited to rapidly changing gas-to-oil ratios and pressure levels. It can handle virtually any mix of oil, gas, water and sand, including degassing fluids, high sand cuts and sour environments.

So if other pumps cannot reliably handle your well’s multiphase fluids, it is time to go with PCM Troika.

www.pcm.eu

Que serait l’industrie sans fluides ? La complexité des process industriels et les exigences techniques des secteurs de pointe, requièrent une fiabilité totale des systèmes de gestion des fluides. Pour l’industrie, PCM relève un défi majeur : fournir des solutions de pompage qui maintiennent en mouvement les fluides vitaux dans des environnements complexes. Abrasif, fragile, visqueux, corrosif, chaud ou dense, chaque fluide néc essite une approche spécifique. Et parce qu’ils sont aussi un élément vital de votre entreprise, PCM, à vos côtés depuis 70 ans, dé veloppe sans relâche des pompes, systèmes de dosage et technologies innovantes de dynamique des fluides.

www.pcm.eu

Fé vrier 2007

Annonce_industry_60x80FR.qxd  22/02/07  12:31  Page 1

Launch of the EcoMoineau™ M pump, the first pump to be ecologically designed. It combined the performance and reliability of eccentric screw pump technology with a modular and ecological design.

Launch of the latest generation Dosymix™ mixer

Launch of the PCM Troika transfer pump

PCM Vulcain™

Commercial launch of the PCM Vulcain™ pump for assisted thermal recovery from hydrocarbons on which PCM engineers had worked for more than ten years in total secrecy.

President of PCM 2001-2012

Jacques FAY

PCM develops its reputation throughout the world thanks to innovation and marketing.
PCM CONTINUES ITS EXPANSION

The historical headquarters in Vanves was transferred to Levallois-Perret where it joined the headquarters of the Gévelot group. PCM was organized into geographical centers to be agile and responsive throughout its global markets.

A new pump for the food processing industry: Quality, safety, efficiency are the three ingredients used by PCM to create its new HyCare™ eccentric screw pump.

PCM launched the PCM Moineau™ HR groundhole pump that enabled pushing back the natural limits of conventional PCPs.

PCM launched the DACC measuring pump to equip all dosage and filling systems.

The Champtocé-sur-Loire site gained 1400 square meters of workshops and 1000 square meters of additional offices. The total surface area reached 16,300 square meters and permitted the doubling of PCM Vulcain™ pump production.

PCM launched the new EcoMoineau™ C eco-designed pump.

Launched of the PCM FieldTrack software.

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China: PCM Suzhou Co Ltd

Italy: PCM Group Italia Srl

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New range of PCM Moineau™ A pumps for transfer to surface in the oil industry.

As breaking into global markets became more complex, the PCM organization evolved to deal with strong international growth of the Group’s business in the past six years. In 2014, PCM S.A. became the Group’s holding company.

<table>
<thead>
<tr>
<th>Country</th>
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<tbody>
<tr>
<td>Chile</td>
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<td>PCM Australia Pty Ltd</td>
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<td>LLP PCM Kazakhstan</td>
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<td>Australia</td>
<td>+2 entities</td>
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</tbody>
</table>
| PCM develops specialized transfer pumps for the oil & gas industry

From visionary pioneer to global supplier of fluid pumping solutions for tomorrow’s markets.

 PCM develops specialized transfer pumps for the Oil & Gas industry.

President of PCM since 2012
Mario MARTIGNONI

PCM supplies equipment to the major players in agri-food worldwide.

PCM resold Kudu and acquired 75% of the share of the Amik Oilfield company in Canada.

Government of a new PCM reference in Champlieu in France

Construction of a 1200 m² extension in Champlieu in France

Installation of the first PCM driveheads in China, Sudan, Russia & Congo

Food systems

PCM supplies equipment to the major players in agri-food worldwide.

“PCM Europe S.A.S., PCM Technologies S.A.S., PCM Manufacturing France S.A.S.”

2016

2014

2015

2013