



PILLER

Power Systems

1909 100 YEARS 2009



The History of Piller

100 years of excellence

www.piller.com

PILLER 100 years of excellence

1909 – 2009 100

Foreword

In 1909, Mr Anton Piller created the foundations of what was to become a highly respected name in the field of power protection systems. Since then, the company has grown from its roots in the manufacturing of ventilation systems, to become the world leader in Rotary UPS systems and a major player in frequency converters, military motors/generators and bespoke power solutions.

Through the loyalty and dedication of our clients and employees, our company has become synonymous with high performance, innovative products and world class after sales service. Right from the start, Piller has led in the field of power quality engineering and, today, the Company can claim to have designed and manufactured the world's largest Diesel UPS and low speed flywheel energy store; we also carry a number of patents for state-of-the-art power engineering.

The remarkable story of our ongoing pursuit of excellence is captured here in this special brochure reflecting the 100 year history of the Piller company.



Piller Headquarters & Manufacturing Facility - Osterode

About Piller

Since its formation by Anton Piller in 1909, the company Piller has been synonymous with electrical machines of the highest quality and reliability. Piller has always been true to that tradition and from its headquarters in Germany and via its regional offices, representatives and distributors worldwide the company continues that tradition into the 21st century producing mission-critical high performance power protection systems and converters.

Piller is a wholly owned subsidiary of the multi-disciplined global UK engineering group, Langley Holdings plc. (www.langleyholdings.com)

1912 - Anton Piller states: "My main ambition is the production of high quality goods by using best materials, skilled workers and first class factory equipment."

1909....1929

years of Piller

1909

With his patent for the construction of a fan and his extensive knowledge of the market, the engineer Anton Piller was able to found his own factory in Hamburg.

1912

During these early years, Piller mainly concentrated on the production of fans for organs and forges.

In 1912, Anton Piller states in his first brochure: "My main ambition is the production of high quality goods by using best materials, skilled workers and first class factory equipment." This guideline is still valid today.

1919

It's prime location, proximity to the suppliers and customers were the essential reasons for the relocation of the company to Osterode am Harz.

Here, on August 1st, 1919, initially with 18 employees, the production of ventilation turbines, fans and electrical motors was started and extended.

1923 – 1929

Innovation results in continuous expansion. In the 1920s and the early 1930s Piller is among the few companies who survived the economical crises (inflation in 1923 and worldwide economic crisis from 1929).



Anton Piller



Approx. 1900. Until the acquisition by Anton Piller, the premises was used as a finishing school.

1939 - Piller founded a new factory for the production of ventilators in Moringen, near Northeim, Germany.

1930....1949

1909 – 2009 100

1930 -1939

Piller ventilation systems and current generators have established a considerable market share, and in the 1930s, Piller is already well-known outside Germany as manufacturer of special ventilators.

1939

Increasing demands required the erection of a new production site. In 1939, Piller founded a new factory for the production of ventilators in Moringen, near Northeim, Germany.

1940

In 1940, the company became a limited partnership, but it remained in the exclusive possession of the Piller family. This enabled them to find new investors and to raise capital for the further expansion of the production sites.

1945

Until 1945, both factories in Osterode and Moringen continued to expand along with their production capacities.



Brochure from 1927



Piller Moringen in the 1940s

1960 - Piller installs the first aircraft ground power supply system and frequency converter.

1949....1969

years of Piller

1949-1954

Despite Piller's location close to the former German border, the company develops further, and shortly after the end of World War II, production starts again. Piller achieves a considerable market share in Germany and abroad by the construction of specific high-pressure ventilators, infinitely variable electrical motors and self-regulating generators.

1954

In 1954, Hans Piller, the son of the founder Anton Piller, takes over the management of the company, bringing further development to its structure and production range.

1958

Between 1958 and 1972, Piller builds 100 company houses for their employees. This part of Osterode is located close to the factory and is still today called "Piller residential area" although it was privatized in 1995.

1960

Piller installs the first aircraft ground power supply system and frequency converter.

1962

In 1962, the good economic situation enables Piller to rent another factory in Duderstadt for the manufacture of air-raid protection systems. At that time, the product range comprises among others electric drives, power supply systems, electronic control systems, ventilators, sound insulation equipment and NBC-air-raid protection systems.



Brochure from 1951



Hans Piller

1982 - Piller develops and installs the first rotary hybrid UPS system type UNIBLOCK.

1970....1985

1909 – 2009 100

1970

Piller installs the first rotary UPS system.

1972

Piller design and build the first 60Hz and 400Hz frequency converters and DC drives for submarines.

1975

Launch of first brushless charging generators for submarines.

1976

The first European daughter company is founded in England for the worldwide business.

Today, Piller UK Ltd. is still active in sales and service of Piller UPS systems on a global scale.

Up to 1980

From 1976 to 1980, the Piller product range continues to expand with aircraft ground power supply systems, frequency converters, UPS units, emergency power supply systems, and specialised ventilators. Service backup for all products is available.

1982

Piller develops and installs the first rotary hybrid UPS system type UNIBLOCK.

1983

Hans-Anton Piller, the son of Hans Piller, becomes the third generation of Piller to join the company – he is responsible for the technology section.



Osterode – administration, approx.. 1975



Piller SILENTBLOCK



Piller UNIBLOCK

1991 - Piller installs the first Diesel UPS system for long ride-through times.

1985....1995

years of Piller

1985

Launch of second generation low noise fans for submarines.

1986

Piller expands its world market position and founds the daughter company Piller France, situated in Nanterre Cedex.

Piller installs the first AWACS system for ground power supply.

1988

Three further daughter companies are founded in Australia, with their headquarters in Sydney.

Piller installs the first fully digitally controlled static UPS system worldwide.

1990

Piller Inc., a daughter company in the US is founded and offers the whole Piller product range including service.

Piller develops the first electrically regulated step-down transformer.

Launch of water cooled static converters DC to 60Hz and 400Hz.

1991

Piller installs the first Diesel UPS system for long ride-through times.

1993

Piller find a suitable partner in Laymeyer AG to expand Piller's increasing business demands.

Shortly after the majority of the former Piller family shares are acquired by power engineering group RWE.



Piller Inc.



Piller Diesel UPS



Piller AWACS

1997 - Piller sets the cornerstone for the static transfer switch and the APOTRANS series is launched

1996....2000

1909 – 2009 100

1996

In 1996, Piller GmbH focuses primarily on power supply and separates the division of industrial ventilators which is continued by Süd-West-Industriebeteiligungen GmbH. Today, the production of the internationally well-known ventilators is successfully continued under the name of "Piller Ventilatoren Moringen".

As a battery replacement for high-capacity Uninterruptible Power Supply Systems, Piller develops the world's largest kinetic energy store POWERBRIDGE.

1997

Piller sets the cornerstone for the static transfer switch and the APOTRANS series is launched in 1997.

1999

As one of the most outstanding innovations in the range of UPS technologies, Piller develops and installs the first watercooled UPS system worldwide.



Osterode - Administration and Engineering



Piller APOTRANS



Piller POWERBRIDGE

2001 - Modern Test & Assembly facility for Diesel UPS is established in Bilshausen

2000....2005

years of Piller

2000

The continuously growing global network of data centres requires high quality and high reliability as well as increasing capacities of the uninterruptible power supply. The wide-spread product range of Piller and the company's continuous innovations in this area allow Piller to meet all these requirements, reinforcing their reputation as a market leader.

2001

Modern Test & Assembly facility for Diesel UPS is established in Bilshausen to meet clients' needs for proven UPS solutions.

2003

Piller separates the division of air-raid protection which is acquired by the Dräger group.

2004

Daughter companies in Italy (Piller Italia S.r.l.) and Spain (Piller Iberica S.L.U.) are founded.



Bilshausen - Piller Test & Assembly



Diesel UPS under test at Bilshausen

2008 - Piller installs the largest single Diesel UPS system in the world with 3000 kVA.

2005....2009

1909 – 2009 100

2005

Piller manufactures the first static UPS system of the AP Premium series.

RWE Piller is acquired by Langley Holdings plc, a British privately owned multi disciplined global engineering group engaged in the supply of capital equipment to a wide range of industry.

2006

Piller develops and installs the first IP Bus UPS System worldwide and thus sets another milestone in UPS technology.

2006/2007

Once again, Piller revolutionises the UPS market by further development of their UPS systems and achieves worldwide the best capacity/footprint ratio (kVA/m²).

2008

Piller installs the largest single Diesel UPS system in the world with 3000 kVA.

Piller develops 3rd generation of APOTRANS static transfer switch. Since its conception in 1997 more than 2500 systems have been installed globally.

2009

Today, Piller has approx. 800 employees worldwide, more than 500 of them in Germany.



Uniblock units in production



To maintain its leadership in the field of UPS solutions....Piller will continue to work closely with clients, universities and research institutes.

2009 - the next 100 years

years of Piller

As a world renowned specialist and partner providing mission critical power solutions whatever the application. Piller UPS clients include banking and other financial institutions, telecommunications networks, broadcasters, healthcare facilities, airports and air traffic control, computer data centres, various production facilities and many other companies and organisations that require a totally reliable high capacity power source. Piller converters and related products are widespread in both military and civil applications providing ground power systems to airports worldwide and shore-to-ship and on-board power systems for both submarine and surface vessels.

To maintain its leadership in the field of UPS solutions incites Piller not only to do justice to this demand, but to continually develop innovative technological advances. In this respect, Piller will continue to work closely with clients, universities and research institutes.



ROTARY UPS SYSTEMS
HYBRID ROTARY UPS SYSTEMS
ROTARY DIESEL UPS SYSTEMS
STATIC UPS SYSTEMS
STATIC TRANSFER SWITCHES
KINETIC ENERGY STORAGE
AIRCRAFT GROUND POWER SYSTEMS
FREQUENCY CONVERTERS
NAVAL POWER SUPPLIES
SYSTEM INTEGRATION



Nothing protects quite like Piller

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