



# Our Story

Dec's unique concept of using vacuum and pressure to move powders through hoses formed the basis of the original PTS Powder Transfer System® that has provided the platform for worldwide success and innovation. Frederic F. Dietrich, Sr. and his two sons, Yves and Frederic, founded their family business, Dietrich Engineering Consultants (Dec), on August 21, 1987, with a groundbreaking concept to safely convey powder and feed reactors.



## Unique PTS Technology

This evolved to PTS Powder Transfer System® that has revolutionized powder handling and greatly improved containment and process efficiency of bulk material transfers throughout the pharmaceutical and other powder-based industries.

In the first few years the company operated in low-key mode, as the Dietrichs developed other businesses while perfecting their technology. By April 1991, Dietrich Engineering Consultants was ready to move into their first office and laboratory in Lausanne, on the shores of Lake Geneva, with Yves, a graduate economist, heading management and marketing of the new product.

In 1995, the younger Frederic joined his brother as full time technical director, just ahead of the move to larger premises in nearby Crissier.



## Complementary Technologies

From the first system sold in 1992 to stable supplies in 1995, Dec established as an acknowledged leader in the field of reactor feeding, setting new technological standards.

While competitors have attempted to imitate the system, PTS remains unmatched in terms of efficiency, safety and quality, further strengthened by continuous investment in developing complementary technologies such as the DCS® Drum Containment System for the emptying or filling of drums with highly hazardous substances.

This has opened new applications in the field of high-containment handling of highly potent active pharmaceutical ingredients (HPAPIs).

As technical director, Frederic Dietrich has played a leading role in these further developments that have made Dec a forerunner across a range of powder handling and process containment solutions in reactor feeding, emptying, filling, dosing, blending, sampling, micronizing, milling and isolator technology.

## International Expansion

In 2001, the 12-member company made the strategic decision to relocate to its current headquarters in Ecublens. Since then, the company's workforce and global reach have experienced rapid growth.

In July 2003, Dec reached a significant milestone by selling its 1000th PTS system to the pharmaceutical giant Bayer. Prior to 2005, international orders were managed from Switzerland. However, in the mid-2000s, the company expanded its operations overseas, starting with the opening of a production facility in India and establishing a sales presence in Ireland. This was quickly followed by the formation of subsidiaries in the UK and Poland.

In 2008, Dec expanded its product portfolio by acquiring the equipment portfolio of Jetpharma, adding process isolators and micronizing technology to its offerings. The company continued to grow, establishing subsidiaries in the USA and Germany in 2009, China in 2014, and expanding its Polish facility into a full production site. In 2019, Dec acquired Bectochem Consultants & Engineers Pvt. Ltd.'s material handling division and merged it with Dec India to form DecBectochem Pvt. Ltd. In 2020, the company acquired Inno4Life in the Netherlands, a specialist in pharmaceutical packaging equipment, and rebranded as Dec Netherlands in 2021. Additionally, Dec acquired Extract Technology in 2021, known for its process isolators, gloveboxes, and downflow booths for various industries and Alconbury Weston Ltd in the UK in 2022, adding flow chemistry and continuous manufacturing solutions to the product portfolio.

Today, a team of 800+ professionals is dedicated to the success of our group, operating in over 60 countries through an international agency network focused on delivering exceptional local customer support and service. Our group provides a range of standard and highly complex, fully integrated equipment solutions and concepts for industries and areas such as:

## Contained Aseptic Process

- Powder Handling and Conveying - Milling / Micronization - Blending - Spray Drying - Lyophilization - Fill/Finish

## Advanced Configurable Plants

- Hybrid configuration (continuous / semi-continuous / batch) - all processes from the material warehouse to the final product

## High Potency Facilities

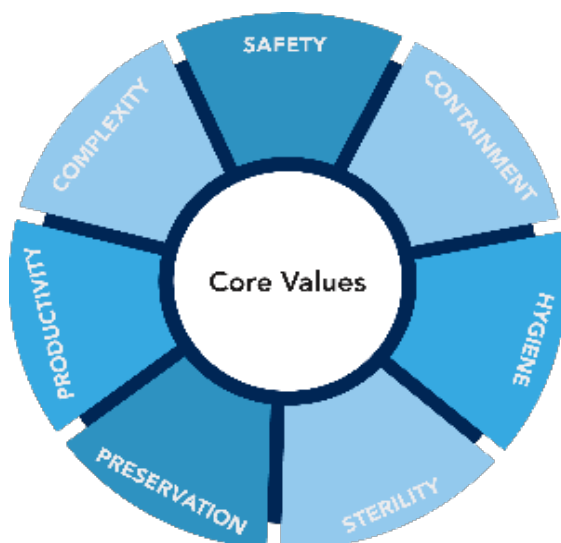
- Process containment systems for reaction, milling, drying, dispensing, powder handling, blending, sampling etc.

## Green Energy

- Battery manufacturing and recycling - Bulk Handling - Drying, Mixing, Packaging - Anode/Cathode Production - Slurry Manufacturing

## Nuclear Sector

- Hot Cell Gloveboxes - Aseptic Radiopharmaceutical Isolators - Custom and Research Gloveboxes - Nuclear Waste Treatment



- Over 35 years of experience
- 800+ employees
- Customer proximity with 11 subsidiaries and an agency network covering 60+ countries
- Over 10,000 successfully implemented projects worldwide