

Corporate Fact Sheet

» About The Company

Verdezyne is an industrial biotechnology company that is leveraging the power of biology to produce chemicals from renewable, non-food sources. We have developed technologies and are commercializing processes that create a positive impact on the environment by replacing important consumer products with sustainable alternatives, at a lower cost.

We have assembled a team of top scientists from the biotechnology and chemicals industries who have, in a few short years, developed the company's flagship products from concept through pilot demonstration. Our proprietary technologies use fermentation followed by unique separations techniques. The yeast used in Verdezyne's process is specifically designed to produce chemicals used in everyday products that have large and growing markets. It is our mission to bring to the world sustainable and cost-effective alternatives to petrochemicals.

» Investors



Management Team

E. William Radany, Ph.D.
President and Chief Executive Officer

Brian Conn
Chief Financial Officer

Nancy Oleski, Ph.D., JD
Senior Vice President Intellectual Property and General Counsel

Ray W. Miller
Chief Business Officer

Tom Beardslee, Ph.D.
Vice President Research and Development

Board of Directors

Neal Bhadkamkar, Ph.D.
Monitor Ventures

Robert Engler, M.D.

E. William Radany, Ph.D.
President and Chief Executive Officer

Eric Rutten
Royal DSM N.V.

Drew Senyei, M.D.

Meghan Sharp, Ph.D.
BP Alternative Energy Ventures

Chad Waite
OVP Venture Partners

2008

Verdezyne formed to develop renewable chemicals

2009

Fermentation technology developed for adipic acid

2010

Proof of concept for renewable adipic acid and dodecanedioic acid (DDDA)

2011

Pilot plant completed

Proof of concept for renewable sebacic acid

2012

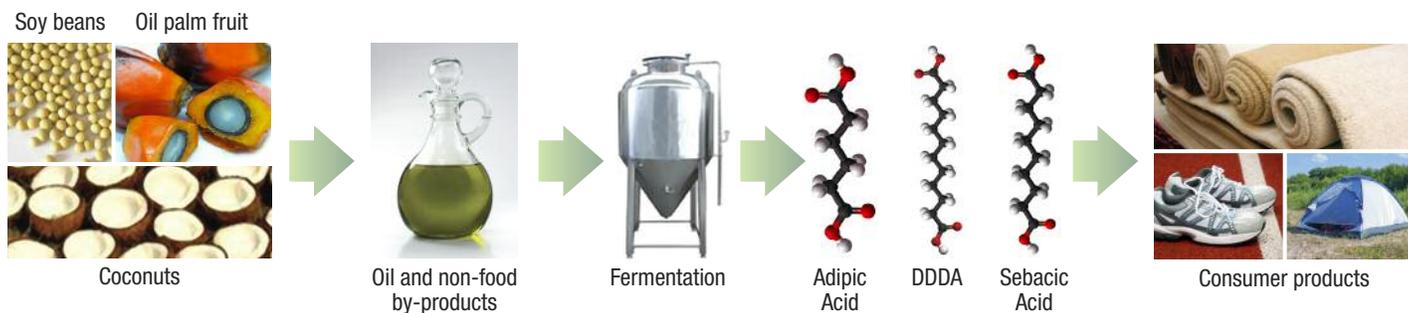
Xylose Isomerase patent issued

Created the world's first renewable nylon fiber

2013

Pilot production of DDDA and sebacic acid

Our Process



Feedstock Flexibility + Proven Manufacturing = Green Chemicals

The Verdezyne Way

» Verdezyne is reducing our dependence on oil by changing the way chemicals are made. Our proprietary yeast, combined with proven manufacturing technology, produces the chemical building blocks used in nylons and other plastics.

The yeast we use as the production platform has been uniquely engineered to metabolize a variety of plant-based oils and their by-products. This “feedstock-flexible” approach makes us less vulnerable to the effects of price and supply volatility, unlike technologies

that rely on sugar or petroleum as a feedstock. In addition to using renewable feedstocks, Verdezyne’s environmentally friendly and safer production methods are expected to generate less CO₂ than petroleum-based processes, offering a reduced carbon footprint.

	Dodecanedioic Acid (DDDA)	Sebacic Acid	Adipic Acid
Uses	Nylon 6, 12 Molding resins, lubricants, adhesives, fishing line and powder coatings	Nylon 6, 10 Toothbrush bristles, coatings, adhesives and polyester resins	Nylon 6, 6 and thermoplastic polyurethanes Clothing, footwear, furniture, carpets, automobile parts and nylon fabric
Market	\$200M annual market Growing 5.4% annually	\$400M annual market Growing 5.5% annually	\$6B annual market Growing 4.6% annually
Traditional Method	Produced from butadiene via a multi-step chemical process	Produced from a limited supply of castor oil (production of which creates highly poisonous ricin)	Produced from benzene, a carcinogenic petroleum fraction
Verdezyne Method	Low-cost, renewable feedstocks which do not compete for food or fuel		

