



Cathy L. Tway, Ph.D.
Technology & Applications Director, Catalyst Technologies
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Cathy Tway is the Technology and Applications Director for Catalyst Technologies in Johnson Matthey. In her role, Cathy is responsible for a global team of scientists and engineers specializing in catalysis, process technologies, and engineering design. She ensures customer driven R&D and engineering is delivered efficiently and provides technical input, oversight, and direction.

Johnson Matthey (JM) is an international specialty chemicals company and a leader in sustainable technologies. Established in 1817, the company has a long history of innovation in advanced materials and technologies. JM's vision is for a world that is cleaner and healthier; today and for future generations. The company uses its expertise in advanced materials and technology to innovate and improve solutions that are valued by customers, optimize the use of natural resources and enhance the quality of life for millions of people around the world. Within JM, the Catalyst Technologies Business Unit supplies catalysts, absorbents and licensed processes to enable its customers to achieve chemical transformations with greater efficiency and reduced environmental impact.

Prior to joining Johnson Matthey, Cathy held positions at Dow, Celanese, Solutia, and Akzo Nobel, holding both R&D leadership and individual contributor roles. Her more than 25 years of industrial experience covers the entire catalyst project life cycle including front-end opportunity identification and creation of new technologies, process scale-up, commercialization and plant support. Over her career, Cathy has commercialized two new inorganic materials and four catalyst technologies, with two of these processes still in use today. She has served on numerous review panels, boards and committees including the committee for the National Academies of Sciences, Engineering, and Medicine consensus study report on "Gaseous Carbon Waste Streams Utilization." Cathy earned her BS degree in chemistry from Wichita State University and her Ph.D. in physical inorganic chemistry from the University of Nebraska-Lincoln.