

Roy Furbank

Chief Technology Officer



Primary Responsibilities

Roy is responsible for improving and sustaining HSC's process capabilities in the production of hyper-pure polysilicon. He leads a team that oversees productivity and project-based improvements, quality control, integrating product research and development, and optimizing manufacturing processes across the enterprise.

Experience & Expertise

Roy joined the HSC Executive Leadership Team in December 2023. He brings deep expertise in chemical manufacturing and extensive global business experience to his role at HSC.

Roy came to HSC from Axalta Coating Systems, based in Philadelphia, PA, where he most recently held the position of Global Process Technology Director across 25+ manufacturing sites and laboratories.

Prior to Axalta, he held various roles at Rohm and Haas, a Philadelphia-based manufacturer of specialty chemicals for end use markets such as building and construction, electronic devices, packaging, household and personal care products. In his 13-year career with The Dow Chemical Company, he served as Global Technology Leader responsible for new product scale up, process development and manufacturing support for Dow's Coatings business and as Global Improvement Leader in the Advanced Polymer Process Technology Center.

Roy also served in the U.S. Army on active duty for four years as a Combat Engineer Officer after completing ROTC and receiving his bachelor's degree.

Education

- **Ph.D. in Chemical and Biomolecular Engineering** — Georgia Institute of Technology
- **Bachelor of Science in Chemical Engineering** — University of Texas at Austin
- **Engineering Officer Basic Course** — United States Army Engineer School



Hemlock Semiconductor Operations (HSC) is a leading provider of hyper-pure polycrystalline silicon and other silicon-based products used in the manufacture of semiconductor devices, solar cells and modules. At HSC, we're passionate about silicon-based technology and its unique potential to connect and energize the world we share. HSC's polysilicon enables customers to produce high-tech electronics and solar energy, and our efficient manufacturing process delivers products with an ultra low-carbon footprint. HSC began operations in 1961 and is owned by Corning Incorporated and Shin-Etsu Handotai.