

TECHNOLOGY *Facilities*

NOVA Chemicals uses state-of-the-art facilities to support our technological advancements in the polyolefins and styrenics fields. Facilities and techniques are continuously upgraded to ensure our results are accurate, cost-effective and commercially valuable.

POLYOLEFINS

Complementing NOVA Chemicals' R&D efforts is a variety of testing and scale-up equipment for the evaluation of catalysts, processes and products. Continued investment in modeling and simulation tools, and their application to technology programs, enables improved effectiveness and reduction in technology development cycle time. A series of operations in NOVA Chemicals' R&D capabilities allows for the research, development and scale-up of technology up to and including the production and sampling of polyethylene resins for customer evaluation. Piloting facilities at the NOVA Chemicals Research and Technology Centre (Calgary), at our SCLAIR® Pilot Plant (Sarnia, Ontario), and through shared facilities with partners such as Innovene, are supported by a variety of semi-commercial-scale fabrication lines at NOVA Chemicals Technical Centre (Calgary). This enables us to develop specific product solutions and to try out new products and applications for our customers.



STYRENICS

Three state-of-the-art Technology Centres provide the setting for ongoing advances in styrenic polymer development. Sophisticated bench-scale synthesis laboratories, commercial-scale plastics processing equipment (representative of our customers' processes), and pilot plant facilities accelerate the delivery of new product solutions to market. From microscope slides and test tubes to injection molding machines and extrusion lines, our world-class Technology Centres have the capabilities necessary to "change the game" in the global styrenic polymers marketplace.



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