



Australia's sole manufacturer and supplier of polyethylene

Qenos is focused on supplying Australian domestic manufacturers with high quality, locally manufactured, recyclable polyethylene. Qenos has annual revenue of around A\$750M.

Locations:	Altona, Victoria and Botany, New South Wales
Employment:	Approximately 700 employees
Manufactured products:	Complete range of polyethylene: HDPE, LDPE, LLDPE
Annual capacity (approx):	
- Olefins / Olefines:	500 kT Ethylene
- Polyethylene:	205 kT High Density Polyethylene (HDPE)
	70 kT Low Density Polyethylene (LDPE)
	130 kT Linear Low Density Polyethylene (LLDPE) and Metalocene LLDPE (mLLDPE)

Ownership:

Qenos is a subsidiary of China National Bluestar (Group) Co. Ltd, a joint venture between China National Chemical Corporation (ChemChina) and the U.S. based Blackstone Group. ChemChina is a state owned enterprise and global Fortune 500 company, that is rapidly growing both within China and internationally, employing over 100,000 people and with revenue over US\$30 billion.

Qenos Botany:

Botany Products and Customers

The polyethylene produced by Qenos at Botany is moisture proof, flexible, transparent, hygienic and recyclable. Qenos low-density and linear low-density polyethylene is trusted by the manufacturers of a huge range of iconic Australian brands to keep their products fresh and secure. Qenos polyethylene is used in many applications including stretch wrapping, food packaging, rotationally moulded products such as water tanks, moulded plastic products including wheelie bins and as the lining for milk and juice cartons.

Botany Manufacturing

The Qenos Botany complex is situated 17 km south of the Sydney central business district on a 37 hectare site adjacent to Botany Bay and its shipping terminal. This area has developed into a major chemical and plastics manufacturing location in the years since the chemical industry first commenced operations at Botany in 1942.

Qenos operates four plants at Botany, identified as Olefines, Alkatuff, Alkathene and Site Utilities.

- The Olefines plant processes ethane feedstock sourced from the Cooper basin in South Australia into around 250 kT of ethylene per year for the two downstream polyethylene plants and other domestic and export customers.
- The Alkathene plant uses a high-pressure polymerisation process and is currently producing about 70 kT of low-density polyethylene per year.
- The Alkatuff plant requires only low pressure for production and currently produces around 100 kT of a tougher, lighter polymer called linear low-density polyethylene.
- Site Utilities provides steam and power to all Qenos Botany plants and also the neighbouring Orica Chlorine and Huntsman Surfactants plants.

Qenos Altona:

Altona Products and Customers

The polyethylene produced by Qenos at Altona is strong, dense, versatile, hygienic and recyclable. Australian manufacturers and utilities rely on Qenos high density polyethylene in applications as diverse as dairy bottles, water and gas distribution and dangerous goods packaging. Qenos high density polyethylene is woven into shade-cloth, protects telecommunication cables, dispenses sealants and adhesives, conveys natural gas and water under pressure and keeps breakfast cereal crunchy and milk fresh.

Altona Manufacturing

The Qenos Altona site is located 15 km west of the Melbourne central business district on a 103 hectare site. The Altona Chemical Complex began production in the early 1960s and is the largest production centre for petrochemicals and plastics in Australia today.

Qenos operates three plants at Altona, referred to as Olefins, Plastics and Resins.

- The Olefins plant processes ethane feedstock sourced from Bass Strait into around 205 kT of ethylene per year for the two downstream polyethylene plants and other domestic customers.
- The Plastics site manufactures around 100 kT of High Density Polyethylene annually in a low pressure polymerisation process.
- The Resins plant commenced production in 1967 as Hoechst Australia and now produces around 105 kT of High Density Polyethylene per year.

Qenos Product Technology Centre:

The Qenos Altona Product Technology Centre houses a group of specialist polymer technologists who work with local customers on the development of new products and processes. The combination of a close understanding of each individual customer's processes with a high capability team accessing specialist polymer and application technologies allows Qenos to deliver powerful market advantage to its customers.

Qenos Technical Centre:

Qenos operates a state of the art technical centre with NATA certified analytical and processing laboratories at Altona. The team at the technical centre supports the product technology group in the ongoing task of commercialising the latest in polymer technology and ensuring the continued high quality and consistency of Qenos products and strict adherence to the requirements of Australian Standards.

Qenos Imported Product Range:

As part of the Qenos vision to be a leading business in the manufacture, distribution and trading of polymers and advanced chemicals, Qenos acts as a local agent for a wide range of imported polymers manufactured by ChemChina, ExxonMobil Chemical, Dexco Polymers, Kumho, BASF, Haohua and others. These products include: EPDM; butyl, nitrile and polychloroprene rubber; EVA; EMA; EAA/ionomer; PP; BOPP, Expandable Polystyrene, polyester resins; bitumen modifiers; tackifying resins; polymer modifiers; styrenic thermoplastic rubbers; thermoplastic elastomers; styrene butadiene rubbers and PIB.