

Year of growth

2009 will go on the record as a key year for Garlock GB – in the worst world-wide recession since the 1930's it has increased its size three fold. With the aim of enhancing its products and services to customers, Garlock has increased its focus on operational excellence.

Stuart Phythian, Garlock's Managing Director, explains, "Regardless of being on the acquisition trail, this has been a challenging year – all businesses are keen to reduce costs wherever

possible and gasket expenditure like any other revenue items has been put under the microscope.

we now offer an unparalleled service from design through to delivery

"The strategic acquisitions of NGM, PTM and Wide Range have each contributed to Garlock addressing this issue for our customers – we now offer an unparalleled service from design through to delivery allowing our customers to benefit from Garlock's strong innovation, research and development and lean manufacturing processes."

Garlock now has the largest gasket fabricating resource in the UK extending from reverse engineering capability through to design and manufacture on advanced technology equipment. Stuart continues, "Although we have always been well regarded for skills across a wide spectrum of industries, the skilled Teams we have acquired bring intensive expertise in areas including pharmaceutical and aerospace. We look forward to 2010 as a business with an increased capability and resource – I thank all of our Team for making this growth successful and I welcome all customers to Garlock Great Britain Limited."



Steve Hill and Alan James, Wide Range Elastomers, with Stuart Phythian, Managing Director Garlock (Great Britain) Limited

Pierrelatte - New research facility

Celebrating over 40 years collaboration and development of advanced sealing products, Garlock

France and The CEA (French Atomic Energy Commission) recently opened their new sealing laboratory at Pierrelatte in Southern France. Equipped with the latest technologies, this laboratory has been designed to explore new performing sealing solutions to meet increasingly demanding customer needs anticipated over the next decades. Many developments have resulted from the joint research, the first of which was the elastic metal seal "Helicoflex" now used successfully around the world in many applications. A mixed team of engineers and technicians from Garlock and CEA permanently staff the facility and develop seals for a wide variety of applications including, long-term storage of nuclear waste, high temperature systems such as Fuel Cells, future nuclear reactors and offshore oil and gas systems.



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Garlock bucks recessionary trend with strategic expansion

While the UK bounces along the economic depths of recession Garlock has made several strategic acquisitions to take the manufacturing high ground in the gasket fabrication sector.

Announcing its first acquisition just 14 months ago, Garlock has spent 2009 assembling the gasket industry 'Dream Team'. Three well respected businesses, NGM, PTM and Wide Range Elastomers have now been amalgamated within the Garlock GB structure bringing with them specialist industry knowledge and manufacturing skills together with extensive resources.

Garlock now has operational facilities at its Eland based UK headquarters, focusing on gasket cutting, while moulding, fabrication and cutting resources continue at Stockport and

Wrexham, formerly PTM, and at Narnborough – Wide Range Elastomers. Large stocks of sheet gasket materials and design facilities allow Eland to meet short lead time customer requirements.

Expansion of the business has also meant the integration of personnel from each business – with 20 employees at the end of 2008 there are now over 80 employees in the Garlock Team. The accumulated years of experience in the sealing industry is significant with the Sales Team alone boasting over 150 years between them (see feature page 3).

Strong reputations for industry know-how exist in Petrochemical - NGM, Pharmaceutical and Nuclear - PTM and in the Aerospace sector - Wide Range. These core areas are already well served by Garlock which has developed world-class products for all of these industry groups.

Garlock's strategic development of these sectors in the UK will see the introduction of industry specific products augmented by bespoke customer support packages.

The manufacturing skills now deployed within the business, together with its world-wide resources, promises to deliver customers with a high level of service and also to give them a more direct contact with Garlock. This is important for Garlock to get much needed feedback not just on product performance but also on quality of service provided.

You can keep up to date with progress with regular postings at www.garlock.co.uk.

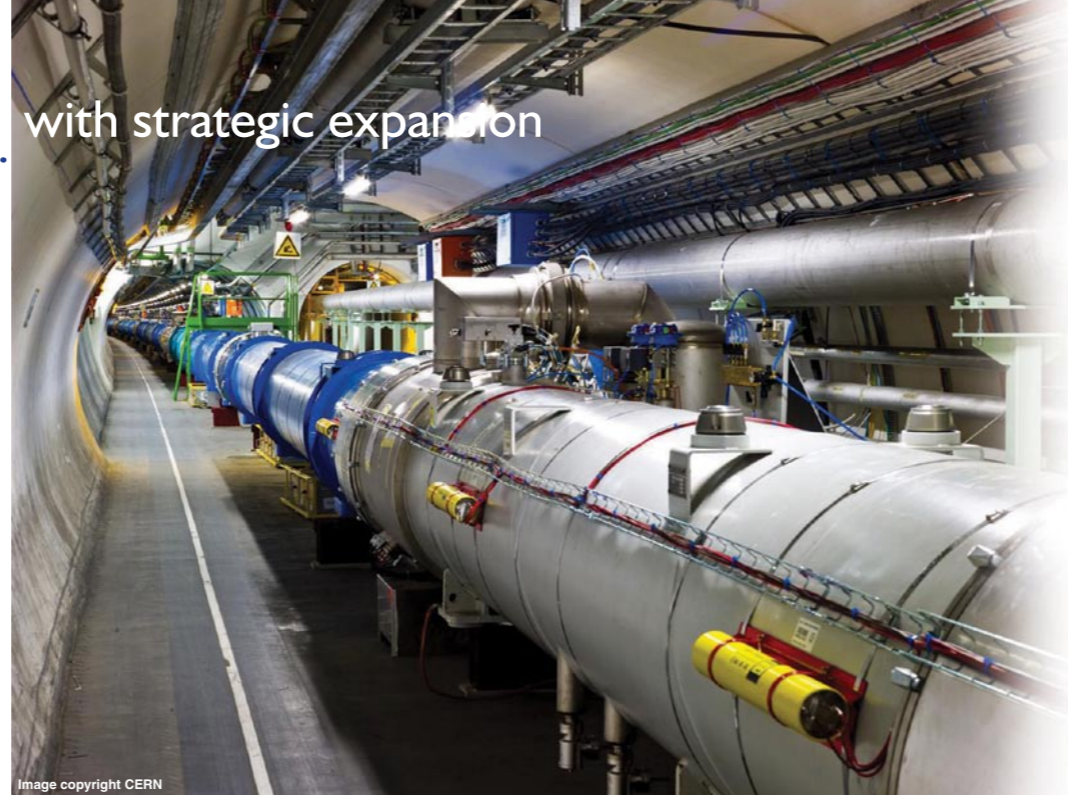


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Meet the Area Sales Managers

150 years and counting!

For such a youthful looking Team it's hard to believe there's this much sealing industry experience but it's true. For example, It's rumoured that Peter Kurtaz advised Newcomen on sealing the early steam engines (and Peter says it often feels like it!) as his experience extends way back. Derek Entwistle is a challenger to Peter's title with 43 years general engineering experience which he describes as 'sometimes hairy' and worth many humorous tales. If there's anything about sealing you ever need to know any of the Team are really worth talking to as their



Peter Kurtaz



Adam Matchette



Andy Fawell



Bill Savage



Derek Entwistle



Graham Turner

skills just about cover every industry you care to think about.

GRAPH-LOCK® slashes downtime

A new self-forming material that allows in-situ gasket fabrication to help reduce plant downtime

Replacing pre-fabricated gaskets on plant in confined areas often requires a complete breakdown of mating components just to relocate a gasket. For heat exchanger tube bundles this can mean a very costly plant outage.

New Garlock GRAPH-LOCK® Joint Sealant is a self forming material, a stainless steel foil and carbon fibre yarn encapsulated in graphite, that can be applied to a sealing face and joined with a skive cut. Available in lengths of 8mtr and 15mtr on a reel and in various sections, GRAPH-LOCK® Joint Sealant never hardens or dries and on compression forms a joint providing a highly efficient seal at temperatures up to 1,000°C and up to 310 bar.



BIO-GUARDIAN® tackles Global contamination transfer issue

Eliminating contamination transfer is the hot topic for the healthcare, pharmaceutical and food industries – Garlock is helping to address the issue with advanced elastomer compounds.

Results from tests carried out by the Institute for Medical Microbiology and Hospital Hygiene at Philipps University Marburg, in Germany, have illustrated that BIO-GUARDIAN® elastomer compound has a significant germ reduction and growth inhibition effect on bacteria such as E. coli and MRSA. Developed by Garlock Sealing Technologies, BIO-GUARDIAN® is a mouldable compound incorporating silver ions (Ag2+) and is already available in the Garlock CEFIL'AIR® inflatable seals range.

In production environments where low germ count is essential, such as the food and pharmaceutical industries, biostatic growth inhibition is critical. Measured against a controlled test to Japanese standard JIS L 1902:1998,2002, BIO-GUARDIAN® met food sector requirements with reduction rates of three to four log 10 levels for tested species including E. coli, MRSA and VRE.

CEFIL'AIR® BIO-GUARDIAN® seals provide an ideal sealing solution for irregular moving

surfaces such as door or lid type closures. The inflatable design of the seal allows it to be deflated and inflated as required to provide a secure seal between two surfaces. BIO-GUARDIAN® seal elastomer will withstand temperatures from -100°C to 250°C and pressures from 0.5 to 10.4 bar in a wide range of liquid or gaseous media.

Applications for CEFIL'AIR BIO-GUARDIAN® have included sealing access points for clean room entry – where the door



seal becomes exposed to an external environment its ability to reduce germs and prevent micro-organism development helps to maintain clean room integrity. In addition to growth inhibition properties the CEFIL'AIR inflatable seal technology completely fills irregular gaps between the clean room door and its frame.

Detailed results of the independent tests, which were carried out by Professor R Mutters and his Team, are available from www.garlock.co.uk.

Fast turn round gasket service

Take advantage of Garlock's fast turn-round gasket fabrication service.

Even the best planned plant shut down can result in an unforeseen gasket requirement and at worst a breakdown generally demands replacement gaskets. Garlock is able to help – it now operates a 24 hour 5 day shift operation with a bespoke gasket cutting service.

Resources including water jet cutting beds with full nesting capability and reverse engineering capability for when drawings aren't available. All this is supported by in stock availability of Garlock's high quality sheet materials.

Technical Manual now available

Garlock has been leading the field in expansion joint production and implementation for over 50 years and has a wealth of information to offer. In its new 29 page Expansion Joint Technical Manual there's plenty of useful information including expansion joint movement basics, preparation and installation, troubleshooting and of course a complete technical listing of Garlock's wide range of joints. Available now from Garlock or download as a PDF from the web site.



Keeping it Green

Garlock is believed to be the greenest seal manufacturing business in the World and has already been recognised with awards.

In May 2009 Garlock was presented with the prestigious US Environmental Protection Agency's (EPA) 2008 Clean Air Excellence Award for eliminating regulated Volatile organic compound (VOC) and hazardous air pollutant (HAP) emissions from the manufacture of its sheet gasket products. "Garlock was selected from over 120 entrants by the EPA's Office of Air and Radiation for its impact, innovation, and replicability," said EPA administrator, Pat Childers, in announcing the award. "Garlock is to be congratulated for its dedication to improving our nation's air quality." The three-year, \$3 million solvent-replacement project not only eliminated the regulated emissions from production of gaskets, but also installed a high-efficiency recovery system that captures 95% of the solvent for reuse. Conversion to the new solvent also provided significant economic benefits, as well as a better end-product. In addition to improving process yields, it resulted in gaskets that seal 20% more effectively, an important advantage for the industries that use them to reduce fugitive emissions from their own piping systems. This project and similar initiatives have been voluntarily undertaken across all EnPro Industries companies to provide a healthier, safer workplace, and to improve environmental stewardship.

Word Search - Competition

Find as many Garlock trade names as you can, ignoring dashes, spaces etc. When you think you have found them all, email the total amount of names you have found to paul.oconnell@garlock.com with 'Word Search' as the subject heading. If you need some help, log on to www.garlock.co.uk.



N	O	R	V	E	H	C	G	L	I	E	E	W	S	L
L	E	G	O	A	L	Y	M	O	S	R	N	L	A	C
A	R	A	A	F	L	U	S	H	G	U	A	R	D	C
I	I	R	G	O	W	H	T	E	L	M	I	H	A	V
P	A	T	N	G	S	L	R	L	I	N	D	A	U	L
C	L	H	E	D	G	Z	E	I	G	H	R	T	R	X
N	I	A	O	R	G	W	S	C	Y	H	A	O	L	R
S	F	N	R	R	S	I	S	O	L	H	U	T	U	E
M	E	E	O	I	E	R	S	F	A	A	G	E	I	F
E	C	F	T	H	U	H	A	L	R	E	K	I	I	R
O	G	L	C	V	P	S	V	E	U	L	A	O	R	I
A	U	R	S	S	A	A	E	X	E	I	E	U	R	O
M	K	F	N	G	N	G	R	A	P	H	L	O	C	K
H	I	M	I	L	L	R	I	G	H	T	L	E	F	E
L	A	E	S	X	E	L	F	E	R	U	Z	O	L	K

Terms & Conditions: 1.Closing date for entries is midnight on 31 January 2010. 2.All entries with the correct figure will be entered into a draw to win M&S vouchers worth £100, the winner will be drawn at random from these entries. 3.The judges decision is final. 4.There is no cash alternative. 5.Garlock Great Britain Ltd will not be held responsible for any 'lost' email entries. 6.Garlock Great Britain Ltd reserve the right to withdraw this competition at any time, without prior notice. 7.By entering the competition, entrants will be deemed to have read and understood these rules and are bound by them. 8.The prize will only be delivered to an address within the United Kingdom. 9.Entrants must be 18 years or over. 10.By emailing your answer to the above address you agree to be added to the Garlock mailing list to receive future mailings. If you do not give permission for this, please state clearly on your email entry.