

Smart thinking. Safe hands.



IMC



Exemplary History, Uncompromising Solutions

Rotary Integrated Maintenance Center (Rotary IMC) is a 100% owned subsidiary of Rotary Engineering Limited. We were conceptualized in 1997 with a total invested amount of S\$26 million and our aim is to provide maintenance services to the petroleum, petrochemical pharmaceutical and specialty chemical process and energy industries

Today, Rotary IMC has established itself as a market leader in integrated maintenance services and has a dominant presence within the chemical hub in Jurong Island.

Our proven track record is clear: we have the industry connections, the passion and drive, the resources and skills to make projects happen on time, on budget and to exacting standards. And this is what brings our clients back to us time and again. Our impressive portfolio of completed projects is testament to our clients' confidence both in us as an organisation that can deliver and in our total maintenance. At Rotary IMC, it is clear that our clients come first. We seek to partner them in their success, and this comes through in the unique way that we work. We primarily use our own in-house construction teams of Rotary IMC employees so as to maintain complete control and responsibility over our work. Our team is fully employed by us and we have expertly trained staff across the world. For us, quality and control are paramount and we can only

achieve these if we know each and every team member. And by harnessing traditional knowledge and combining this with innovative alternatives, our solutions utilise technology, tried and tested systems and economically priced materials.

Material wastage is reduced, space and land usage is optimised, and costs are kept in check. With pride and dedication, we will continue to provide unrivalled project management, intelligent solution implementation and extensive support to all our clients worldwide.

Our new logo says it simply and clearly – Smart Thinking, safe hands equate to solutions that are intelligent, innovative and reliable. Rotary IMC stands for outstanding services and safe construction. Our clients know that they are in the right hands.

Global Workforce

Ready, Anytime, Anywhere



Our projects take place around the world so we have to be able to mobilise the right people where they are needed with greatest speed and highest efficiency level. Our Global Work Force (GWF) scheme allows us to do just that. Through GWF, we have grown our own team of engineers and craftsmen who are readily deployed anywhere in the world and attuned to the Rotary Brand of Service Delivery. Our Overseas Training and Test Centres in India and Bangladesh serve to strengthen our workers' language and technical skill sets. To date, we have trained over 1,000 employees to levels of high skills proficiency and it's our clients who are benefiting from this growing workforce of technical experts.

We build smart teams.

Safety & Quality

It's Always People First



At Rotary IMC, we take care of our people. That is why we insist on the most stringent of safety processes at every stage of production, on and off site. Through direct employment and regular safety training courses, we are better able to control quality and work in a safe working environment. We commit to the highest standards of regulatory practices, because protecting our stakeholders and assets are our top priority.

Our people know that it's smart to work safe.



**Total
Maintenance
Projects**

Delivering Under Pressure

Universal Terminal
Jurong Island, Singapore
Build by REL - Our parent company and continuously maintained by Rotary IMC



Universal Terminal is one of the largest independent petroleum storage terminals in Asia Pacific with 2.3 million cbm storage capacity and the ability to berth 2 fully-laden VLCCs simultaneously for cargo operations.

Mechanical Precision

Lanxess Butyl Plant
Jurong Island, Singapore



LANXESS' butyl rubber plant facility on Jurong Island, built on an area of 150,000 square meters, is designed for a maximum production capacity of 100,000 metric tons per year. It produces premium halobutyl rubber and regular butyl rubber for the automotive, pharmaceutical and chewing gum industries.

It's Never Too Big a Challenge

Shell Seraya Chemical
Jurong Island, Singapore



Occupying more than 60 hectares, Shell's chemical manufacturing assets on Jurong Island manufacture ethylene oxide (which is converted into ethylene glycols and high purity ethylene oxide), ethoxylates, styrene monomer, propylene oxide and polyols.

Bigger, Better More Refined

Shell Mono Ethylene Glycol (MEG) Plant
Jurong Island, Singapore



The Shell MEG plant has an annual production capacity of 750,000 tpa and is one of the largest of its kind. It is connected to Pulau Bukom via subsea pipelines.

Sustainable Production

Neste Oil Singapore Pte Ltd
Tuas South Lane, Singapore



Neste Oil Corporation is a refining and marketing company concentrating on low-emission, high-quality traffic fuels. The commercial scale plant has a capacity of 800,000 million tons a year.



**Our
Services**

Integrated Maintenance Turn-around and Shutdown

Even If It's Completed, We Carry On

Whether it is ongoing support for a complete turnaround project or a retrofit project for an existing plant, Rotary IMC is equally committed to delivering dependable maintenance solutions to keep your structures in operational order, thereby extending the lifespan of your investment.

Our expert team will oversee maintenance planning and scheduling that meets the needs of your individual requirements. This includes regular scheduled maintenance or predictive and preventive maintenance to extend the life of your plant; turnaround and shutdown maintenance as required; and even daily and facilities maintenance.

The scope of maintenance work includes equipment installation, piping work, structural work, electrical work, instrumentation and controls, tankage maintenance, static equipment maintenance, exchanger bundle pulling and repair, rotating equipment servicing and overhauling, scaffold and insulation, and reliability engineering services.

Additionally, we have perfected the implementation of the Computerised Maintenance Management System (CMMS), encouraging many of our clients to take up this technology as it allows for enhanced resource allocation, increased plant safety, an improved communication process and operational efficiency and, in turn, notable time and money savings.

- A total maintenance workforce of over 800, including over 600 multi-skilled craftsmen

Value Added Services

A computerized maintenance management system helps to reduce cost by providing better work order flow and control, more extensive equipment history for analysis. Better planning and scheduling. The whole idea is, more PLANNED maintenance as opposed to UNPLANNED maintenance.



- Computerized Maintenance Management System (CMS)
- Daily Maintenance
- Operation Support
- Planned periodic Maintenance
- Shutdown / Turnaround Maintenance
- Plant Startup Commissioning Support
- Warranty Maintenance
- Condition Monitoring / Reliability Engineering
- Performance Enhancement Plant Modification project



Our values added are incorporating the best practices developed in many industries. Work processes are driven towards a more predictive environment with safety-conscious, multi-skilled workforce.

Heavy Haulage works



Bundle Pulling Team in action



Equipment and Structure installation and alignment



Roof replacement of tanks



Scaffolding and Insulation Works



Shop fabrication of tank



Aluminium Dome Roof installation





Perform preventive maintenance on electrical components of machine, such as relays, switches, and motors, and positions sensing devices, using appropriate hand tools and test equipment.

Installation, Testing and commissioning E&I systems like Control Valves, Instruments(DP, Flow, Level, Temp) following electrical code, manuals, schematic diagrams, blueprints, and other specifications

Our Clients



No job is too big, too small, too simple or too complex.
We Grew with Jurong Island.



Awards

Recognitions - Maintenance / Adhoc Services

Recognitions - Shutdowns / Turnarounds / Plant Revamps



- Safety and Health Awards Recognition for Projects (SHARP)**
 - Shell Chemicals Seraya Limited - 2009
 - Shell Pulau Bukom - 2009
 - Shell Chemicals Seraya Limited - 2011
 - Chevron Total Plant Maintenance - 2012
 - Chevron Total Plant Maintenance - 2013
 - Workplace Safety and Health Awards (Silver)**
 - 2012
 - 2013
 - 2014

- Neste Oil**
 Contrib. 1 Mil Manhours (2012)

Shell Jurong Island
 Contrib. 6 Mil Manhours (2011)

Chevron Terminal
 Operational Excellence Award (2011 and 2012)

Shell Jurong Island
 HSE Initiative (2009)

Horizon Terminal
 3 million manhours without loss time injury (2007 - 2015)

Shell Bukom
 HSE Alliance Leader

- Shell Bukom**
 LRCCU Completion with 4.15 Mil (2010)

Invista Adi Pure
 Comp. TA 2006

Du Pont (Sakra)
 Manufacturing Works TA 2012

Shell Bukom
 4 Mil Safe Exposure Hours Without LTI (2008)

Shell Bukom
 4 Mil Manhours without LTI (2009)

Awards - International



Rotary IMC Track Records - Maintenance

Maintenance Record			
Client	Location	Scope	Mth/Year
Evonik Methionine SEA Pte Ltd	Jurong Island	Maintenance Services	Sep 2015
Linde Gas Singapore Pte Ltd	Jurong Island	Maintenance Services	Sep 2015
Evonik Oil Additives Asia Pacific Pte Ltd	Jurong Island	Total Plant Maintenance	May 2015
COIM Asia Pacific Pte Ltd	Jurong Island	Total Plant Maintenance	May 2015
Chevron Singapore Pte Ltd	Jln Buroh	Total Plant Maintenance	Apr 2015
Akzo Nobel	Jurong Island	Total Plant Maintenance	Jan 2015
Evonik Methionine SEA Pte Ltd	Jurong Island	Total Plant Maintenance	Feb 2014
COIM Asia Pacific Pte Ltd	Jurong Island	Total Plant Maintenance	Jun 2013
Evonik Oil Additives Asia Pacific Pte Ltd	Jurong Island	Maintenance Services	May 2013
Neste Oil Singapore	Tuas	Total Plant Maintenance	Mar 2013
Conoco Philips Singapore	Jurong Island	ORF Maintenance and Services	Jan 2013
Akzo Nobel	Jurong Island	Total Plant Maintenance	Jan 2013
Shell Chemical Seraya Limited	Jurong Island	Shell Jurong Island Mechanical Maintenance Services	Jan 2013
Shell Eastern Petroleum Limited	Pulau Bukom	Rotating Equipment Maintenance Services	May 2012
Tate and Lyle Pte Ltd	Jurong Island	Tate and Lyle Maintenance	Apr 2012
Lanxess Butyl Pte Ltd	Jurong Island	Total Plant Maintenance	Apr 2012
Chevron Singapore Pte Ltd	Jln Buroh	Total Plant Maintenance	Jan 2012

And it will grow along the way...

Rotary IMC Track Records - Adhoc Maintenance

Maintenance Record			
Client	Location	Scope	Mth/Year
Dupont Company (S) Pte Ltd	Jurong Island	Ad-Hoc Maintenance	Jun 2015
Dupont Company (S) Pte Ltd	Jurong Island	Ad-Hoc Maintenance	Oct 2014
Lanxess Butyl Singapore Pte Ltd	Jurong Island	Ad-Hoc Maintenance	July 2012
ITRO Pte Ltd	Jurong Island	Ad-Hoc Maintenance and Manpower Supply	May 2012
Universal Terminal Hub(Singapore) Pte Ltd	Jurong Island	Maintenance and Repair Works	Jan 2012
Chevron Singapore Pte Ltd	Jln Buroh	Ad-Hoc Maintenance	Jan 2012
Horizon Singapore Terminals Pte Ltd	Jurong Island	Ad-Hoc Maintenance	Dec 2011

Rotary IMC Track Records - Turnarounds and Shutdowns/ Plant Revamp

Turnaround/ Shutdowns/ Plant Revamp Records			
Client	Location	Scope	Mth/Year
Shell Eastern Petroleum Limited	PCS Complex, Jurong Island	EGS Turnaround 2015 - Mechanical Works	Nov 2015
Linde Gas Singapore Pte Ltd	Jurong Island	N2 Expansion - Mechanical Works	Oct 2015
Shell Chemicals Seraya Ltd	Jurong Island	Seraya Cogen Turnaround 2014 - Mechanical Works	Sep 2015
Shell Chemicals Seraya Ltd	Jurong Island	Seraya Turnaround 2014 - Mechanical Works	Oct 2014
Neste Oil Singapore Pte Ltd	Tuas	Neste Oil TA 2014 - Mechanical, Civil, Stucutural, Piping and Insulation Works	Apr 2014
Shell Eastern Petroleum Limited	PCS Complex, Jurong Island	EGS Turnaround 2013 - Mechanical Works	Apr 2013
Neste Oil Singapore Pte Ltd	Tuas	Neste Oil Shut Down Maintenance - Electrical and Mechanical.	Dec 2012
Shell Eastern Petroleum Limited	PCS Complex, Jurong Island	MEG Turnaround 2012 - Mechanical Works	Aug 2012
Dupont Company (S) Pte Ltd	Jurong Island	Turnaround 2012 - Mechanical Works	Oct 2012
Invista Singapore Pte Ltd	Jurong Island	Turnaround 2011 - Mechanical Works	Sep 2011
Shell Chemicals Seraya Limited	Jurong Island	Turnaround 2011 - Mechanical Works	Jun 2011
Total Petrochemicals South East Asia Pte Ltd	Tuas	Shutdown Maintenance Works - Mechanical	Mar 2011

Rotary IMC Track Records - CAPEX Projects

CAPEX Records			
Client	Location	Scope	Mth/Year
Linde Gas Singapore Pte Ltd	Jurong Island	EPC for a N2 Pipeline Extension and Installation of a New Vaporizer	Sep 2015
Evonik Oil Additives Asia Pacific Pte Ltd	Jurong Island	High Pressure Steam Piping for Singapore Oil Additives Plant Expansion	Feb 2015
Dupont Company (S) Pte Ltd	Jurong Island	Mechanical and Piping Works – Sakra Utilities Seperation Project	Oct 2014
Chevron Singapore Pte Ltd	Jln Buroh	Replacement of Fire Water Line Phases 1 and 2	Oct 2014
Chevron Singapore Pte Ltd	Jln Buroh	Tank Cleaning & Repair Works for T-485, 535 and 538	Mar 2014
Exxonmobil Asia Pacific Pte Ltd	Jurong Island/ Pioneer	PF4 and F5 Tank Rehabilitation Works	Jan 2014
Chevron Singapore Pte Ltd	Jln Buroh	Tank Cleaning & Repair Works for T-537 & 561	Mar 2013
Shell Chemicals Seraya Pte Ltd/ Chiyoda Singapore Pte Ltd	Jurong Island	EGS Creep Debottleneck Project – Pipings and Tie Ins	Jan 2013
Singapore Petroleum Company Limited	Pulau Sebarok	Replacement of T-04 and T-08 roof, Tank Conversion of T-08 Services and Ancillary Works	Nov 2012
Chevron Singapore Pte Ltd	Jln Buroh	Tank Cleaning and Repair Works for T-542	Oct 2012
Chevron Singapore Pte Ltd	Jln Buroh	T-540 Jack Up and Annular Plate Replacement	Jun 2012
Chevron Singapore Pte Ltd	Jln Buroh	Replacement of Firewater Pipelines	May 2012

ROTARY IMC PTE LTD

"Your reliable partner in maintenance"



No.61 Jurong Island Highway, Singapore 627860
Tel: (65) 6866 0000 Fax: (65) 6866 0191

<http://www.rotaryeng.com.sg>