PNK Engineering is a supplier offering advanced technical insulation solutions and anti-corrosion system for industrial and marine & offshore fields.

As an official exclusive distributor and agent of worldwide market leading manufacture companies, we cover the whole industrial insulation market for the thermal, fire safe, acoustic insulation and anti-corrosion applications.

Based on experiences over plenty of projects with them, we will continue to enhance our reputation as a leading company in insulation and anti-corrosion system.
COMPANY HISTORY

2011 - 2012
- Established personal business
- Registered a sub contractor company for DSME (Daewoo Shipbuilding & Marine Engineering)
- Registered a sub contractor company for SHI (Samsung Heavy Industries)
- Approved as Korea official distributor of STOPAQ
- Approved as Korea official installation company for Rocktight of ROCKWOOL

2013 - 2014
- Established incorporated company
- Approved as Korea official distributor for ROCKWOOL Insulation & GRP1000
- Registered as a sub contractor for Su-Won site of SHI Group
- Registered as a supplier for Technip
- Approved as Korea official distributor company of KORFF ISOLMATIC

2015 - 2016
- Obtained Quality Management System by ISO 9001
- Obtained Environment Management System by ISO 14001
- Approved as Korea official distributor of SFL (Seal For Life)
- Opened Warehouse and operated fabrication shop in Yangjeong, Geoje
- Registered as a sub contractor of HHI & HSHI (Hyundai Heavy Industries & Hyundai Samho Heavy Industries)

2017 - 2018
- Approved as Korea official distributor of Mareflex
- The selection of KODIT (Korea Credit Guarantee Fund) Gyeongnam Star Company
- Signed Korea distributor a greement with Poland A-SPE
- Approved as a Central Asia official agent of ROCKWOOL
- Purchase of a real estate for Multi housing in Geoje
- Opened Multi housing (warehouse, fabrication shop and R&D center) in Geoje
- Composition and operation of R&D division

2019
- Established of the I.F (Insulation Factory) in Yangjeong, Geoje
- Approved as Korea official partner of METALNASTRI
- Approved as Korea official installation partner for ULVA
- Approved as Gyeongsang-Do district of Korea, Singapore, Malaysia and Japan Exclusive distributor for STEGO
# INSULATION & CLADDING

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>ROCKWOOL</td>
<td>Stone wool Insulation in Denmark</td>
<td></td>
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<tr>
<td>BUSEAL WRAP Cladding in Korea</td>
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<td></td>
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<tr>
<td>GRP Cladding in Netherlands</td>
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<tr>
<td>ULVA Shield Cladding in UK</td>
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<tr>
<td>KORFF ISOLMATIC</td>
<td>PIR &amp; PUR Insulation in Germany</td>
<td></td>
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</tbody>
</table>

# ANTI-CORROSION & OTHERS

<table>
<thead>
<tr>
<th>Company</th>
<th>Description</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>STOPAQ SEAL FOR LIFE</td>
<td>Anti Corrosion Coating system in Netherlands</td>
<td></td>
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<tr>
<td>IMO Symbol and PIPE Marker in Poland</td>
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<tr>
<td>METALNASTRIC</td>
<td>Anti Corrosion System Zinc Tape in Italy</td>
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<tr>
<td>Antispray Tape in Germany</td>
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<tr>
<td></td>
<td>Special Vapour and Gas Barrier in USA</td>
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</table>

# PNK’S OVERSEAS AGENCY

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<thead>
<tr>
<th>Agency</th>
<th>Location</th>
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<tbody>
<tr>
<td>BESTOFIRE</td>
<td>PNK’s Singapore Agency</td>
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<tr>
<td>PNK’s Japan Agency</td>
<td></td>
</tr>
<tr>
<td>DNB petroleum</td>
<td>PNK’s Malaysia Agency</td>
</tr>
</tbody>
</table>
**What are you insulating?**

**SeaRox**

**Marine & Offshore insulation**

Under the SeaRox name we market a full range of fire-safe solutions for the marine and offshore field that also offer optimal acoustic and thermal insulation as well as solutions for insulation of on-board technical installations.

**FB 6020/6040/6050**

**FM 6030ALU/6040ALU**

SeaRox FB and FM 6000 range combine all the advantages of conventional stone wool insulation and at the same time lowers the weight by 40%.
The ROCKWOOL Group is world leader in stone wool solutions covering building insulation, industrial and technical insulation for process industry, marine and offshore, customized solutions for industrial applications, wall and facade systems, acoustic ceilings, horticultural substrate solutions, engineered fibres solutions, noise and vibration control.

**ProRox**

*Industrial insulation*

All our insulation solutions for technical installations in the process industry will be part of the ProRox range. The main characteristic of these products is their high thermal insulation capacity. Next to this, they of course also comply with the most stringent requirements on fire resistance and acoustic insulation.

**WR-TECH Pipe Sections**

The insulation sections are produced with an innovative water repellent binder called WR-Tech™ to mitigate the risk of corrosion under insulation.
INSULATION E.P.C SERVICE
(ENGINEERING, PROCUREMENT, CONSTRUCTION)

PNK Engineering is dedicated to providing professional engineering, design and related total services of insulation and anti corrosion system for various clients of marine, offshore and industrial fields.

With highly skilled and experienced personnel comprised of technical engineers and installation experts, PNK Engineering ensures cost effective technical solutions and professional installation accomplishment.

- Wall, Ceiling Insulation and Cladding System
- Pipe, Vessel Insulation and Cladding System
- HVAC Insulation and Cladding System
- Package Module Insulation
- PFP (Passive Fire Protection) System
- Total Anti-Corrosion System
**ARKUTUN-DAGI FIXED PLATFORM**

The Arkutun-Dagi fixed platform will employ an offshore, ice-resistant platform which is expected to become the largest oil and gas production platform in Russia.

**SONGA SEMI RIG OF 4 SERIES**

The Songa Semi Rig of 4 series called Category - D, are new generation drilling and well intervention rigs, specifically constructed for Norwegian Continental Shelf operations. They are outfitted with winterization and heat tracing systems making them uniquely prepared for the harsh weather conditions of the North Sea.

**PETRONAS FLNG #1**

This ground breaking facility will enable PETRONAS to monetize its upstream stranded gas assets and eliminates substantial costs required in the provisioning of fixed infrastructure such as subsea pipelines to shore.

**OWNER** - Exxon Mobil  
**PROJECT** - Arkutun-Dagi F/P  
**INSTALLATION** - ROCKWOOL Insulation at Deck  
- ROCKWOOL Rocktigt at Weather part  
- DARCHEM Removable PFP Jacketing for Vessel, Flange & V/V  
**SUPPLY** - STOPAQ EPDM Backing Wrapping Band

**OWNER** - Songa Offshore  
**PROJECT** - Songa Semi Rig of 4 series  
**INSTALLATION** - Pipe Insulation for DERRICK (AKER SOLUTIONS)  
- Pipe Insulation around Heli Deck  
- Deck Insulation with Heat Tracing Line  
**SUPPLY** - ROCKWOOL Insulation and SUS Cladding

**OWNER** - PETRONAS  
**PROJECT** - Petronas FLNG #1  
**SUPPLY** - BUSEAL WRAP
**SHELL PRELUDE FLNG**

The Prelude FLNG is the world's largest floating liquefied natural gas platform as well as the largest offshore facility ever constructed.

**ICHTHYS CPF**

The central processing facility (CPF) processes the product received via the flexible risers from the production wells, separating it into gas and condensate.

**ICHTHYS FPSO**

The floating production storage & offloading (FPSO) facility receives condensate from the CPF, which it stores and offloads onto tankers for shipping and export.
**GINA KROG FIXED PLATFORM**

The *Gina Krog* is developed with a platform resting on the seabed, while the wells are drilled by a mobile jack-up drilling rig.

**OWNER** - Equinor  
**PROJECT** - GINA KROG F/P  
**INSTALLATION** - Insulation of whole 70M Module  
**SUPPLY** - BUSEAL WARP

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**MARINER FIXED PLATFORM**

It is the largest steel jacket ever built for an Equinor project measuring 134 metres in height and with a footprint of 88x62 metres. The weight is 22,400 tonnes including floatation tanks and rigging.

**OWNER** - Equinor  
**PROJECT** - Mariner F/P  
**INSTALLATION** - Insulation of whole 10M, 50M & 55M Module  
- ROCKWOOL GRP 1000 at 30M Module  
**SUPPLY** - ROCKWOOL Insulation and GRP 1000  
- BUSEAL WARP

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**JOHAN SVERDRUP FIXED PLATFORM**

The Johann Sverdrup is one of the five largest oil fields on the Norwegian continental shelf. With expected resources of between 2.1—3.1 billion barrels of oil equivalents, it will also be one of the most important industrial projects in Norway in the next 50 years.

**OWNER** - Equinor  
**PROJECT** - Johan Sverdrup F/P  
**INSTALLATION** - STOFAQ System for Vessel at RP Module  
**SUPPLY** - Fabricated SUS Jacketing for Duct  
- STOFAQ System
EGINA FPSO

The EGINA deep offshore project consists of a subsea production system tied in to a Floating Production Storage and Offloading (FPSO) vessel with a processing capacity of 200,000 barrels per day and a storage capacity of 2.3 million barrels.

MAFUMEIRA SUL FIXED PLATFORM

The Mafumeira Sul project is part of a continued effort to grow Chevron’s production capacity in offshore Block O and contribute to the development of Angola’s oil and gas industry.

NASR2 FULL FIELD DEVELOPMENT PACKAGE 2

The platform is for the Nasr Phase 2 Full Field Development Project, aimed at increasing the field’s oil production capacity to 65,000 barrels per day (bpd) from the existing capacity of 22,000 bpd.

OWNER - TOTAL
PROJECT - EGINA FPSO
INSTALLATION - GDU Package
SUPPLY - Portable Water Treatment Package

OWNER - Chevron
PROJECT - Mafumeira Sul Fixed Platform
INSTALLATION - Insulation of whole Module at offshore site in Angola
SUPPLY - Removable Mat Jacketing
- Engineers and Technicians for installation of insulation to Angola

OWNER - ADMA-OPCO
PROJECT - NASR2 Full Field Development Package 2
INSTALLATION - STOPAD System for Equipment Seat
SUPPLY - ROCKWOOL Insulation and GRP 1000
- BUSEAL WRAP
- STOPAD
- ROCKWOOL GRP1000 Expert Advisors
ARGOS FPU

OWNER - BP
PROJECT - Argos FPU
SUPPLY - ROCKWOOL FB 6020/6040/6050, FM 6030ALU/6040ALU
- ROCKWOOL WR-TECH Pipe Sections
- GCF (Glass Cloth with aluminum Foil)

TCO FGP PROJECT (TENGIZCHEVROIL FUTURE GROWTH)

The Tengiz Field is the world’s deepest operating super giant oil field, with the top of the reservoir at about 12,000 feet (3,657 m) below ground in Kazakhstan.

FLNG CORAL

OWNER - ENI
PROJECT - Coral FLNG
SUPPLY - FoamGlas

OWNER - Chevron
PROJECT - TCO FGP
INSTALLATION - Insulation of whole Module (20 Modules of them)
SUPPLY - BUSEAL WRAP, FoamGlas
NOV (National Oilwell Varco) designs and manufactures all types of derricks for platforms, jackups, semi-submersibles, and drillships. We provided turn-key based installation of insulation and heat tracing on Derricks of NOV and Aker Solutions also.

OWNER PROJECT INSTALLATION SUPPLY
NOV / Aker Solutions Derrick for Odfjell Semi Rig / Maersk / Johan Sverdrup Fixed Platform / Songa Semi Rig - Insulation on Pipe Line - Heat Tracing - ROCKWOOL Insulation, Armaflex, BUSÉAL WRAP, SUS Jacketing, Raychem

DRILLSHIP
We provided turn-key based installation of cladding at weather part for several drillships.

OWNER PROJECT INSTALLATION SUPPLY
Transocean / Sonangol / Vantage Transocean Drillship 3511 Sonangol Drillship 3620,3621 Vantage 3618 - Under Deck Insulation Protection Cover - Weather part Cladding - BUSÉAL WRAP, FireMaster, VentureClad

ROYAL FLEET AUXILIARY MARS
The Tide class tanker (formerly the Military Afloat Reach and Sustainability (MARS) project) is a class of four fast fleet tankers that entered service with the British and Norway Royal Fleet Auxiliary from 2017.

OWNER PROJECT SUPPLY
Royal Fleet Auxiliary Military Afloat Reach and Sustainability (MARS), 4 Ships - BUSÉAL WRAP