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## Innovative Products that Protect your Assets Worldwide

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Alpha Process Controls are established as global leaders in the design, manufacture and installation of bespoke engineering systems for the safe transfer of hazardous chemicals, cryogenic liquids and gases.

With field experience spanning more than 30 years, Alpha's portfolio of products include Safety Breakaway couplings, Drybreak couplings, ERC breakaway couplings, flexible hoses, loading arms and loading skids.

Products handled include LNG, LPG, VCM, Liquid Oxygen, Nitrogen and a wide range of hazardous chemicals.

Many of Alpha's products are adopted as standard by the world's major oil, gas and petrochemical companies.

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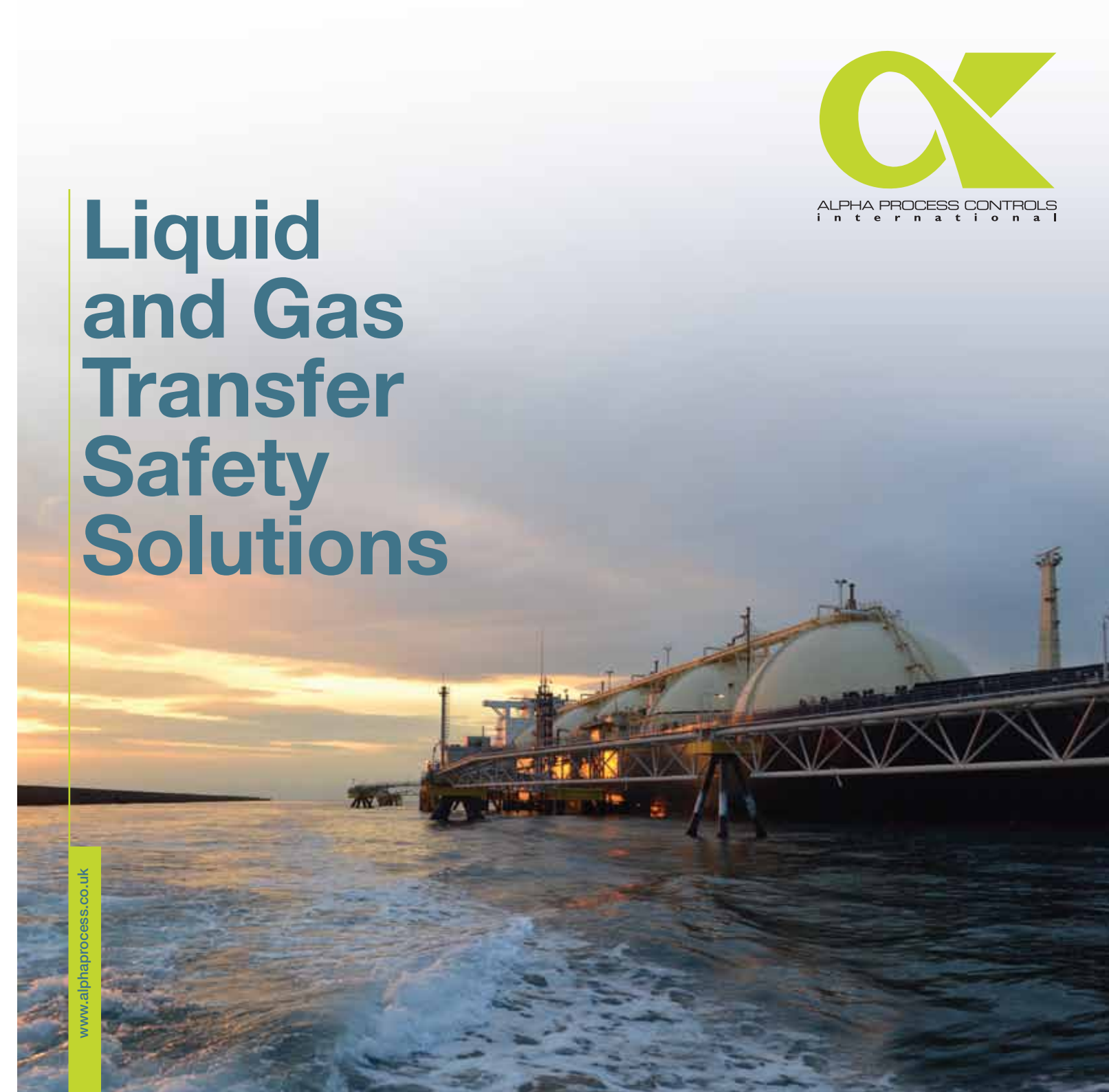
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G R O U P



# Liquid and Gas Transfer Safety Solutions

[www.alphaprocess.co.uk](http://www.alphaprocess.co.uk)



# LNG Transfer Safety Solutions

## Ship to Ship



The complete package for LNG ship to ship transfer

- ERC couplings with damped closure
- Manifold reducers
- Hose saddles
- Flexible hoses and arrestor system

## Bunkering

Flexible hose and coupling systems for LNG bunkering

- Quick connect couplings
- ERC couplings with damped closure
- Telescopic jib and support system
- Flexible hoses



## Road Tanker



Safety coupling systems for LNG truck loading bays

- Cryogenic breakaway couplings
- Quick connect couplings
- Flexible hoses

## Dispensers

Breakaway protection for LNG dispensers

- Cryogenic breakaway couplings
- Flexible hoses



ISO9001 (2008) Approved.  
PED Approved to Module 'H'

# LPG Transfer Safety Solutions



## Loading Arms

Designed and manufactured in the UK

- High integrity system
- Counterbalanced for ease of operator handling
- High quality swivel joints ensure a long reliable service life

## Loading Skids

Complete system design and manufacture

- All mechanical and electrical equipment installed, pre-wired and tested prior to despatch
- Skid pre-assembly reduces terminal build time

## Swivel Joints

Designed and manufactured in house

- Full 360° rotation possible under pressure and flow with zero leakage
- Robust design
- Flanged design allows ease of maintenance



## Marine Breakaway Couplings

Large bore couplings for ship and barge loading

- Couplings sizes 6" (150mm), 8" (200mm) and above
- Reliable operation
- Unique damping system reduces pressure spikes during valve shutdown



# Fluid Transfer Safety Solutions



## Safety Breakaway Couplings

Driveaway protection for flexible hoses

- Positive shut off of both coupling halves
- Minimum product loss
- Unique break-bolt design

## Emergency Release Couplings

Protecting plant and personnel in the loading bay

- Simple design
- Low product loss on separation
- Pull cable actuation

## Cryogenic Breakaway Couplings

Reduce product spillage in driveaway incidents

- Industry's most trusted coupling
- Unique sealing technology
- Operates at extreme temperatures

## Fluiseal Drybreak Couplings

Secure coupling systems for road and rail transfers

- Safe, simple and quick operation
- Low product loss on disconnection
- Pressure tight connection in less than 10 seconds
- Reduces tanker turn around time

