ASSET IDENTIFICATION SOLUTIONS
AQUASIGN
INTRODUCTION

It has been thirty years since our first Aquasign® sale and to mark the occasion we have created a presentation plaque that showcases our current product portfolio.

The purpose of the plaque is to act as a time capsule, exhibiting a small part of the anti-fouling silicone range that our success has been built upon, along with our other manufacturing capabilities. The end result demonstrates our expertise in all forms of oilfield signage, topside and subsea.

The plaque also recognises some of our customers over the period; as without their continued patronage, AQUASIGN would not exist.

Looking ahead, we will continue to develop our products and expand our capabilities, whilst remaining true to our core values – service, quality, innovation, solutions and results - ensuring the future of AQUASIGN is clear!

INDEX

AQUASIGN® SUBSEA MARKERS 2
AQUASIGN® - MECHANICAL & RETROFIT SOLUTIONS 3
ADHESIVES 4
AQUAPLATES 5
NAMEPLATES 6
Aquasign® is our anti-fouling underwater marking solution, providing highly-visible identification, orientation and position markings for all types of subsea assets. Aquasign® prevents marine growth at the lowest level with its unique non-toxic technology, ensuring critical markings remain visible to divers and ROVs throughout the project’s lifespan. Aquasign® markers and their fixing systems have been extensively third-party tested, and thus we include a performance guarantee of 60 years! Our markers are the leading global anti-fouling solution and have been installed on over 800 projects worldwide. Our systems are designed to withstand the harshest of conditions providing suitable solutions for all applications from shallow to ultra-deep water.

**DESIGN**

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness</td>
<td>3mm 60 Year Guarantee</td>
</tr>
<tr>
<td>Colour</td>
<td>Solis® UV-Stable Signal Yellow</td>
</tr>
<tr>
<td>Fixing</td>
<td>KISS® Self-Adhesive</td>
</tr>
<tr>
<td>Font</td>
<td>Helvetica Bold Black</td>
</tr>
<tr>
<td>Corners</td>
<td>Curved 8mm Radius</td>
</tr>
</tbody>
</table>

Aquasign® markers have a hydrophobic surface that is designed to prevent the settlement of marine growth - an integral part of our unique anti-fouling technology!

**BESPOKE**

Describe your project requirements & let us find the right solution for you. Limited only by your imagination!

- Colours, Shapes & Sizes
- Symbols & Logos
- Complete ROV & Control Panels
- Standard Lead Time: 5 Working Days

The oil-release system that makes Aquasign® unique was inspired by the secretion of oils through fish skin!

**KISS® SELF-ADHESIVE**

- Simply PEEL, STICK & SEAL
- Solvent-Free Acrylic Adhesive
- Temperature Range: -40°C to 110°C
- Reduces Installation Time by 75%
- Seal with Biohesive® 225
- 60 Year Guarantee

Share your Aquasign® experience! solutions@aquasign.com

**Technical Data!**

Download Testing Reports, Datasheets & our Track Record online!

Visit the AQUASIGN Client Portal at www.aquasign.com

Want More Information?

solutions@aquasign.com

+44 (0) 1224 897 060
The Aquasign® design is highly adaptable, with fixings suitable for every application. Polycarbonate is often utilised to provide an extremely tough and durable solution, that offers Aquasign® markers enhanced protection from operational damage. Polycarbonate has been independently pressure tested to 700Bar (10150psi) without any noticeable deterioration, and approved in temperatures between -51°C to +132°C. A robust solution for every environment, guaranteed for 60 years!

**SHIELD™ II**

**DAMAGE TOLERANT**

Aquasign® markers are supplied completely recessed within a polycarbonate frame to protect against accidental damage.

- Flexible Design
- Standard Specification:
  - Bolted (Flat Surfaces)
  - Cable Tie (Grated Surfaces)

**TAGS**

**SHIELD™ / FLEXIBLE**

- Valve, Pipe & Line Identification
- Rigid Design: Shield™ II
- Flexible Design: PVC Strapping
- Cable-Tie Installation

**DID YOU KNOW?**

Polycarbonate is TOUGH! Used to manufacture bullet proof glass & riot shields!

Our Q-Band & Clip system is an alternative fixing solution to cable ties - ideal for larger constructions!

- e.g. Jacket Legs

**TAKE NOTE!**

Our KISS® markers are flexible, therefore also suitable for curved substrates!

**RETROFIT**

- ROV or Diver Installation
- Customisable Shield™ II Frame
- Complete with Optional Handle
- Rare-Earth Magnets
- Holding Force in Excess of 100lbs

All Aquasign® products can be modified to include our customer’s preferred RFID solution - Adhesive, Mechanical & Retrofit! Contact us for more information.

**SPRING CLIP**

**RETROFIT**

Bespoke manufacture to securely fit around the circumference of tubular equipment.

- ROV or Diver Installation
- Pipes, Flowlines, Risers
- Neoprene Rubber Lining - Prevents Slipping

**DID YOU KNOW?**

Our KISS® markers are flexible, therefore also suitable for curved substrates!

**LEAD TIME**

Standard lead time for Retrofit & Mechanical solutions is 20 days!

Visit the AQUASIGN Client Portal at www.aquasign.com

Want More Information?

Want More Information?
ADHESIVES

SUBSEA APPROVED

AQUASIGN offer a range of high-performance and innovative adhesives designed for long-term subsea use. Traditionally used in conjunction with our Aquasign® markers, our adhesives have been vigorously third-party verified for subsea applications, including Aggressive Immersion, Pressure, Slam Loading and Vibration testing. Both adhesives have shown high mechanical performance as well as excellent heat and chemical resistance.

BIOHESIVE®

Biohensive® 225 can be used in geographical locations with high temperatures and high humidity (75% +) without causing any significant performance issues! As a single component adhesive, it requires no mixing or metering of curatives, instead relying on atmospheric moisture to cure.

• Silicone RTV Adhesive
• Single Component: Translucent
• Temperature Range: -65°C to 300°C
• Rapid Moisture Curing
• Skin Time: Approx. 5 Minutes
• Full Cure Time: Approx. 6-8 Hours
• Seawater Resistant Bonding

AQUAHESIVE™

5836

• Polyurethane Adhesive
• Two Component: Brown
• Temperature Range: -45°C to 150°C
• Pot Life: Approx. 30 Minutes
• Full Cure Time: 24 Hours
• Structural Bonding

BIOHESIVE®

225

Aquahesive™ can be used for retrofit installations in shallow waters with a pot life of approximately 30 minutes!

<table>
<thead>
<tr>
<th>Substrate</th>
<th>KISS® (Page 4)</th>
<th>Biohesive®</th>
<th>Aquahesive™</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coated Steel</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Stainless Steel</td>
<td>×</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Acetal® C, Derlin</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Neoprene</td>
<td>×</td>
<td>✔</td>
<td>×</td>
</tr>
<tr>
<td>Polycarbonate</td>
<td>✔</td>
<td>✔</td>
<td>×</td>
</tr>
<tr>
<td>Acrylic</td>
<td>✔</td>
<td>✔</td>
<td>×</td>
</tr>
</tbody>
</table>

Download our full Adhesive Substrate Guide online today!

Visit the AQUASIGN Client Portal at www.aquasign.com

Want More Information?

+44 (0) 1224 897 060
solutions@aquasign.com
AQUAPLATES
OILFIELD SIGNAGE

Aquaplates are an ideal solution for the offshore industry, offering long-term, robust identification for both topside and underwater applications. Manufactured in-house, Aquaplates are produced to the highest accuracy and coated to client’s paint specification. We utilise our innovative cutting technology to accommodate bespoke, intricate designs for all applications. Design flexibility includes material, shape, size, color, orientation and the fixing method required!

Aquaplates guarantee no tarnishing, warping or heat damage to the materials!

WATERJET
PROCESS

- High-Pressure Cutting - 55,000 PSI
- Cut-Out Letters & Shapes
- Material Thickness: 0.9mm - 20mm +
- Highly Accurate
- Metal, Rubbers & Plastics

The most common materials utilised for Aquaplates include mild/carbon, super duplex and stainless steel, all of which are stock items therefore have guaranteed quick turnarounds!

MILLER
PROCESS

- Rotary Motion Cutting
- Three Axes of Movement
- Ideal for Precision Features
- Metal & Plastics
- Range of Surface Finishes

Aquaplates guarantee no tarnishing, warping or heat damage to the materials!

ASSET
IDENTIFICATION
SOLUTIONS

Visit the AQUASIGN Client Portal at www.aquasign.com

DID YOU KNOW?

Aquasign® subsea markers, as an alternative to Aquaplates, can REDUCE lead time & cost! See pages 2 & 3

LEAD TIME

Typically cut within 3 days, and coated 10-20 days thereafter!
AQUASIGN offer a range of hard wearing identification and certification nameplates designed to withstand the harshest offshore environments. We utilise waterjet, milling, chemical etch and rotary engrave equipment to manufacture metal nameplates designed as a robust long-term solution. We also offer engraved and printed plastics that can be supplied in a range of materials and designs. We have a selection of stock materials available, including stainless steel, super duplex, exterior plastic laminates in a range of colours and vinyl. RFID and bar code inventory solutions can also be incorporated.

**ETCH**

This process offers a permanent solution. The paint is below the surface of the nameplate, therefore is less susceptible to abrasion.
- Chemical & Solvent Resistance
- Stock Thickness from 0.9mm
- Fully Customisable Design
- Lead Time: 10 Working Days

Site Safety is important! We also have the capabilities to produce quality safety signs and boards with fast turnaround times, accuracy and most importantly competitive pricing!

**PRINT**

Cost-effective solution for less permanent requirements.
- Stencil Print Method
- Almost any Substrate
- Fully Customisable Design
- Lead Time: 5 Working Days
WANT MORE INFO?

VISIT OUR EXCLUSIVE CLIENT PORTAL!

www.aquasign.com

For a more personal touch ...

CONTACT US!

TELEPHONE: +44 (0) 1224 897060

EMAIL: SOLUTIONS@AQUASIGN.COM