CATALOGUE OF PREFABRICATED MARINA ELEMENTS

http://www.marinaelements.pianc.org

The World Association for Waterborne Transport Infrastructure
PIANC has Technical Commissions concerned with inland waterways and ports (InCom), coastal and ocean waterways (including ports and harbours) (MarCom), environmental aspects (EnviCom) and sport and pleasure navigation (RecCom).

This report has been produced by an international Working Group convened by the Recreational Navigation Commission (RecCom). Members of the Working Group represent several countries and are acknowledged experts in their profession.

The objective of this report is to provide information and recommendations on good practice. Conformity is not obligatory and engineering judgement should be used in its application, especially in special circumstances. This report should be seen as an expert guidance and state of the art on this particular subject. PIANC disclaims all responsibility in case this report should be presented as an official standard.
# Table of Contents

1 Introduction ..................................................................................................................2
   1.1 Terms of Reference .................................................................................................2
   1.1.1 Definition of the Problem ..................................................................................2
   1.1.2 Study Objective .................................................................................................3
   1.1.3 Disclaimer ..........................................................................................................3
   1.2 Structure of this Report .........................................................................................3
   1.3 Composition of the Working Group .......................................................................3
   1.4 Meetings .................................................................................................................5
   1.5 Activity Developed ...............................................................................................5
   1.6 Acknowledgements ...............................................................................................6

2 Methodology Applied ..................................................................................................7
   2.1 Products in the Catalogue ......................................................................................7
   2.2 Forms for Questionnaire and Queries ...................................................................8

3 Description of the Website .........................................................................................9
   3.1 Homepage ..............................................................................................................9
   3.2 Search Catalogue ...................................................................................................10
   3.2.1 Result of a Query .............................................................................................10
   3.3 New Catalogue Entry ............................................................................................12

4 Collection of Data for the Catalogue ......................................................................14
   4.1 Formal Letter of Invitation ....................................................................................14
   4.2 Guidance for Filling Out the Questionnaire Online .............................................15
   4.3 The Path Forward .................................................................................................16

APPENDIX A

List of Companies in Catalogue at the Date of the Launch ........................................17
1 Introduction

The aim of RecCom Working Group 131 was to prepare a new instrument useful for the community interested in marina design, construction and management market.

With the aim to have a rapid overview on the different prefabricated elements that can be used in a marina, an internet-based catalogue was prepared for public access. The Catalogue can be easily and continuously updated by constructors and suppliers.

1.1 Terms of Reference

Nowadays, the use of prefabricated elements in the construction of marinas has become very common practice. Prefabricated elements usually represent important advantages (higher performances, ecological benefits, cost reduction, construction efficiency, etc.)

As a consequence, a lot of new prefabricated units have been designed for a wide variety of applications in marina construction (floating docks, floating facilities, revetments, decking elements, mooring systems, pedestals, bollards, fenders, signals, etc.).

Marina designers and contractors are now facing the problem of identification and selection of the optimum product for their specific work. Information on prefabricated elements is nowadays disperse, not easy available and almost impossible to be evaluated. PIANC, as an international association with a non-economic profit, is in an optimum position for producing a Catalogue of Marina Construction Elements. This document, which would include an exhaustive list of products, could be very useful for managers, port authorities, engineers, marina designers and other professionals.

The proposed catalogue will be focused on prefabricated units used for the construction of the following types of parts:

- Pontoons
- Floating structures and facilities
- Revetments and decking elements
- Mooring systems
- Others

1.1.1 Definition of the Problem

Having to design an unbiased and technical catalogue, an effort was done in recognising the way to collect and return information under specific technical criteria, easy understandable, friendly and not time consuming.

The catalogue will be more and more useful to confront ‘at a glance’ availability and the main characteristics of products of this kind.

The easy way in retrieving this information will contribute to increase the quality in design, construction and managing of marinas, struggling sub-standard results.

The Catalogue will remain a ‘work continuously in progress’. It will be maintained and expanded in the future directly by the companies interested in doing this, with the aim to promote their products among technicians and people involved in this market.

Through a specific new Working Group, the PIANC Recreational Navigation Commission will continue to ensure the maintenance and control of the efficiency and respect of the PIANC rules of the database registered.
1.1.2  **Study Objective**

The task of the Working Group consists in collecting and processing technical and commercial information of all types of prefabricated units for marina that fulfil two requirements:

1. Commercial or technical references already exist
2. The element has been used in a current work

The work of the group will be published as a Catalogue or list that includes a standardised form for each type of unit comprising:

- Basic technical features (shape, dimension, photographs, etc.)
- List of references of technical performances
- List of references of existing applications
- Commercial status (patent, information, commercial address, etc.)

The form will not include detailed information (performance indexes, response curves, etc.) about the technical performances of the unit, but only give references to published information.

1.1.3  **Disclaimer**

The main goal of the Catalogue is to collect and return information in a precisely defined way.

A company or a product included in the Catalogue does not imply any kind of judgment from PIANC about good or bad quality or performance.

Being listed in this Catalogue does not represent any attestation or certification of any kind. PIANC is not responsible in any way for the information published by the companies about their products. They are completely under the liability of the owner.

For the same reason, PIANC does not certify or ensure in any way quality, accuracy or completeness of publications.

1.2  **Structure of this Report**

The WG’s report consists of this written report and, mainly, of the following website:

[http://www.marinaelements.pianc.org](http://www.marinaelements.pianc.org)

The website allows to make entries and queries to the database, which is the core of the Catalogue.

1.3  **Composition of the Working Group**

During the years of its development, Working Group 131 has changed considerably in its composition. Two distinct phases of the work were recognised, with different members participating, each of them with their own commitment.

The complete list of the members that joined the group can be found on the next page:
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1.4 Meetings

The following meetings were held:

- Brussels, PIANC HQ, November 18, 2008
- Palma de Maiorca, Palma Harbour Authority HQ, June 12, 2009
- Brussels, PIANC HQ, January 14, 2010
- Brussels, PIANC HQ, April 19, 2010
- Other short meetings were held during the usual RecCom meetings from RecCom 2012-1 to RecCom 2014-1.

1.5 Activity Developed

The Working Group acted in two different phases:

Phase A)
Defining the goals, the categories of products to be considered in the Catalogue, the items and contents of the questionnaire for the companies, the forms to be filled out, the initial website, the first approach for collecting data, etc. During this phase the WG started the test of the website, also to verify the interest of the market towards the new instrument.

Phase B)
Conclusion and analysis of results of the test phase of the website; check and improvement of the website, defining final strategy for collecting data; defining the strategy for giving publicity to the Catalogue; preparing the final report.

The first phase was developed through the face-to-face meetings and the work done until 2010. Then, a pause occurred during the period of testing of the website online.

During the RecCom meeting 2012-I in Brussels, the Commission asked the WG for the results obtained and made an analysis of them. It was decided to definitively push towards the finalisation of the work.

Under the impulse of Mr Ciralli, Chairman of RecCom, Mr Siches was asked, and he accepted, to act as a Co-Chairman of the Working Group. He worked to invite more companies to fill out the questionnaire online and he obtained an increment of the number of entries.
The discussion about how to prepare the launch of the website and to boost the interest of the companies to add their data to the database was continued during RecCom II-2012 in Barcelona, Spain, and again during RecCom I-2013 in Rome, Italy.

During RecCom II-2013 in Gothenburg, Sweden, it was decided to close the test phase of the website. A definitive analysis of the results and usefulness of the instrument was conducted. It was clear to the Commission that the webpages and forms still needed some improvements.

At last a final strategy for collecting data and giving publicity to the website was developed. It was agreed that an ‘always open and updated’ Catalogue can be a more and more useful instrument on the basis of the number of entries collected time after time. In particular, the following path forward was decided:

- after a careful check of the webpages, some minor changes were requested to the webmaster
- the WG 131 report was finished and approved during RecCom I-2014; as usual it was forwarded to PIANC HQ for publication.
- the publication of the WG 131 report will give the occasion to send out the usual press release to specialist magazines.
- a leaflet about the Catalogue will be prepared to be distributed.
- the WG 131 report and the website will be published worldwide during the main events marina related (PIANC, ICOMIA, METS, BMF, IMBC, boat shows, e.g.).

At last this final report was prepared for the approval of RecCom.

1.6 Acknowledgements

The WG wishes to acknowledge the contribution of PIANC HQ for support in preparing the website, and in particular of Mrs Marleen Vareman, webmaster, that we desire to thank for the efforts done in obtaining a good result.
2 Methodology Applied

The main activity to develop the job of this Working Group was not usual for technicians, as there were many aspects not directly related to engineering or architectural fields to study and to develop.

Following the fundamental aim of PIANC, the aim was to design a new instrument that could be useful for designers and people involved in marina construction and management.

The precise technical categorisation and standardisations of the forms for obtaining data about products from the Catalogue consist for sure in a new approach for this kind of information.

Therefore, the experts involved in the Working Groups had to investigate and clarify which are the fundamental data needed in this kind of research and which one could be the easiest and friendly way to manage them.

Thus, a certain time was spent in the understanding of how this Catalogue could be really useful for the community.

Some catalogues already exist about products that can be found on the marina construction and maintenance market. Some of them are simply directories of addresses of companies, builders and suppliers, involved in such kind of productions. Others are a collection of brochures of industrial products and parts, not easy to use to make a quick comparison of different elements on the basis of specific engineering characteristics.

With the above considerations, the first goal was to recognise the types of products to be considered for the Catalogue.

The further effort was to create a unique, clear form to categorise the main technical data of the element, as to have the possibility to make queries that return the available products in an easy readable comparable way.

On the other hand, it was immediately clear that a specific website on the internet was the best and more useful way to give the new Catalogue. Needless to say that is a big advantage of the internet to easily fill out the Catalogue and to ask information from everywhere.

In this report it was decided to not go too deep into the description of the technologies to prepare and manage such a website and the relative database.

2.1 Products in the Catalogue

In the methodology development, a special effort was done by experts to recognise the products to be considered.

The prefabricated element for a marina to be considered for the Catalogue, after the categorisation of what is available in the market, have been classified into categories and sub-categories described in the table that follows on the next page.


<table>
<thead>
<tr>
<th>Category</th>
<th>Sub-Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) Pontoons</td>
<td>1.1 Concrete</td>
</tr>
<tr>
<td></td>
<td>1.2 Steel framework</td>
</tr>
<tr>
<td></td>
<td>1.2.1 Concrete floats</td>
</tr>
<tr>
<td></td>
<td>1.2.2 Plastic floats</td>
</tr>
<tr>
<td></td>
<td>1.2.3 Aluminium floats</td>
</tr>
<tr>
<td></td>
<td>1.3 Aluminium frame work</td>
</tr>
<tr>
<td></td>
<td>1.3.1 Concrete floats</td>
</tr>
<tr>
<td></td>
<td>1.3.2 Plastic floats</td>
</tr>
<tr>
<td></td>
<td>1.3.3 Aluminium floats</td>
</tr>
<tr>
<td></td>
<td>1.4 Wood frame work</td>
</tr>
<tr>
<td></td>
<td>1.4.1 Concrete floats</td>
</tr>
<tr>
<td></td>
<td>1.4.2 Plastic floats</td>
</tr>
<tr>
<td></td>
<td>1.4.3 Aluminium floats</td>
</tr>
<tr>
<td></td>
<td>1.5 Special pontoons</td>
</tr>
<tr>
<td></td>
<td>1.6 Other</td>
</tr>
<tr>
<td>(2) Fingers (walkable)</td>
<td>2.1 Concrete</td>
</tr>
<tr>
<td></td>
<td>2.2 Steel framework</td>
</tr>
<tr>
<td></td>
<td>2.2.1 Concrete floats</td>
</tr>
<tr>
<td></td>
<td>2.2.2 Plastic floats</td>
</tr>
<tr>
<td></td>
<td>2.2.3 Aluminium floats</td>
</tr>
<tr>
<td></td>
<td>2.3 Aluminium frame work</td>
</tr>
<tr>
<td></td>
<td>2.3.1 Concrete floats</td>
</tr>
<tr>
<td></td>
<td>2.3.2 Plastic floats</td>
</tr>
<tr>
<td></td>
<td>2.3.3 Aluminium floats</td>
</tr>
<tr>
<td></td>
<td>2.4 Wood framework</td>
</tr>
<tr>
<td></td>
<td>2.4.1 Concrete floats</td>
</tr>
<tr>
<td></td>
<td>2.4.2 Plastic floats</td>
</tr>
<tr>
<td></td>
<td>2.4.3 Aluminium floats</td>
</tr>
<tr>
<td></td>
<td>2.5 Other</td>
</tr>
<tr>
<td>(3) Decking Systems</td>
<td>3.1 Steel</td>
</tr>
<tr>
<td></td>
<td>3.2 Aluminium</td>
</tr>
<tr>
<td></td>
<td>3.3 Hard wood</td>
</tr>
<tr>
<td></td>
<td>3.4 Soft wood</td>
</tr>
<tr>
<td></td>
<td>3.5 Plastic</td>
</tr>
<tr>
<td></td>
<td>3.6 Recycled materials</td>
</tr>
<tr>
<td>(4) Floating breakwaters</td>
<td>4.1 All concrete</td>
</tr>
<tr>
<td></td>
<td>4.2 Other</td>
</tr>
<tr>
<td>(5) Gangways</td>
<td>5.1 Steel</td>
</tr>
<tr>
<td></td>
<td>5.2 Aluminium</td>
</tr>
<tr>
<td></td>
<td>5.3 Wood</td>
</tr>
<tr>
<td>(6) Facilities</td>
<td>6.1 Service pedestals</td>
</tr>
<tr>
<td></td>
<td>6.2 Life saving equipment</td>
</tr>
<tr>
<td></td>
<td>6.3 Pump out units</td>
</tr>
<tr>
<td></td>
<td>6.4 Fire fighting units</td>
</tr>
<tr>
<td>(7) Accessories</td>
<td>7.1 Bollards</td>
</tr>
<tr>
<td></td>
<td>7.2 Cleats</td>
</tr>
<tr>
<td></td>
<td>7.3 Mooring rings</td>
</tr>
<tr>
<td></td>
<td>7.4 Fenders</td>
</tr>
<tr>
<td></td>
<td>7.5 Mooring buoys</td>
</tr>
<tr>
<td></td>
<td>7.6 Boom finger</td>
</tr>
<tr>
<td></td>
<td>7.7 Pile guides</td>
</tr>
<tr>
<td></td>
<td>7.8 Flexible mooring systems</td>
</tr>
</tbody>
</table>

2.2 Forms for Questionnaire and Queries

For designing the forms to be used in the website some main goals had been kept in evidence:

- clearness and friendliness
- data technically categorised and standardised

As it is easy to understand that some objectives can conflict with each other, some compromises were found to catch the best result.
3 Description of the Website

The group worked to check and to choose the right contents and aspects of the webpages to be proposed to the users. The main goals where:

- to be easily understandable to permit to the final user a friendly navigation and use
- not to be time consuming for companies to put data of their products on line

After some attempts, the final shape was proposed by the WG and used for the website test during the first phase of the job.

After RecCom reviewed the website, some minor changes were executed.

What follows are the main screenshots of the website with a description.

3.1 Homepage

Accessing the website at:

http://www.marinaelements.pianc.org/

the user can choose between two options:

- Search catalogue
- New catalogue entry
3.2 Search Catalogue

Picking categories and sub-categories of a product in which the user can be interested, automatically a database query is created from the system and it is very easy and quick to receive the result.

The webpage clearly shows the following disclaimer:

‘The data included in this Catalogue are for informational purposes only. Inclusion in this Catalogue does not construe PIANC endorsement of any product or manufacturer’.

![Figure 1: Screenshot of the ‘Catalogue Search’ webpage](image)

3.2.1 Result of a Query

After the search of the requested information, the system automatically prepares the database query and returns the result.

The result can be of two types, in respect of the research done:

a) about companies dealing with that type of product, per region of the world supported, number of units installed, and so on

b) about a single kind of product searched, with the list of the actual available entries in the database

The data entered from the companies, producers or suppliers, will be returned.

Please take a look at the next paragraph to view which kind of information can be returned.
Catalogue of Prefabricated Marina Elements

General Information

<table>
<thead>
<tr>
<th>Company</th>
<th>SF MARINA SYSTEM AB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Country</td>
<td>SWEDEN</td>
</tr>
<tr>
<td>Headquarters</td>
<td>Sweden</td>
</tr>
<tr>
<td>Website</td>
<td><a href="http://www.sfm.com">www.sfm.com</a></td>
</tr>
<tr>
<td>Region supported</td>
<td>Europe</td>
</tr>
<tr>
<td>Areas supported</td>
<td>Africa</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Van Oord</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>S3 Edition</td>
<td></td>
</tr>
</tbody>
</table>

| Special purposes          | Floating homes, houses, floating restaurant, floating fuel station, floatingerry berth, swimming platform |

<table>
<thead>
<tr>
<th>Products</th>
<th>Concrete, Steel, Wood, Plastic, Recycled</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Design systems</th>
<th>Concrete, Steel, Wood, Plastic, Recycled</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Building materials</th>
<th>Concrete, Steel, Wood, Plastic, Recycled</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Facilities</th>
<th>Concrete, Steel, Wood, Plastic, Recycled</th>
</tr>
</thead>
</table>

- Concrete portions since 1985 - SF Marina manufactures Floating Breakwaters and concrete portions for larger and smaller Marinas and private installations. In addition, we supply associated equipment such as fenders, fittings for hydraulic and water as well as portions for use as swimming platforms, floating homes, service facilities and for many other purposes.

- One of the leading companies in the world in terms of concrete floating breakwaters.
3.3 New Catalogue Entry

The companies can do entries of two types:

- general entries with information about the company
- specific entries for a single product

It is immediately clear how to operate for the first type of entries.

The second type requires a little bit of time and commitment from the user.

Each product has to be classified by clicking on category, sub-category and type. It is possible to highlight peculiarities or other features by describing them in the comments windows.

The technical description of the product, in the main editable window at the centre of the webpage, should include materials, main dimensions, mechanical characteristics, etc.

Images of the product, as well as blue-charts, technical drawings and sketches, can be uploaded.

The final signature of the entry is fundamental for completing the procedure.

For a complete guide for entries, take a look at paragraph ‘4.2 Guidance for Filling out the Questionnaire Online’.
Figure 3: Screenshot of the ‘New Catalogue Entry’ webpage
4 Collection of Data for the Catalogue

The Working Group has investigated the ways to let companies know about the Catalogue and about how to stimulate the interest in filling in their data.

As it was necessary to test the website and the interest of the companies, a ‘beta test version’ of the website was put online during ‘Phase A’. In the meantime, an invitation with a formal letter was sent to some of the most known producers of prefabricated elements for marinas.

The formal invitation included:

- the electronic questionnaire ready to be filled out by the producers of the single prefabricated elements of marinas
- guidance on the completion of the questionnaire
- the permission from the producer to enclose the element in the Catalogue

4.1 Formal Letter of Invitation

The formal letter of invitation was as follows:

Dear Sir,

PIANC Catalogue of Prefabricated Marina Elements

The use of prefabricated elements in the construction of marinas has become very common practice. Prefabricated elements usually provide important advantages (higher performance, ecological benefits, cost reduction, construction efficiency, etc.).

Marina designers, contractors and operators around the world are, however, currently facing problems in identifying and selecting the optimum product for their specific project. Information on prefabricated elements is nowadays dispersed, not easily available and almost difficult to evaluate and confront.

PIANC, as an international non-profit association, is in an optimum position to assist by producing a Catalogue of Prefabricated Marina Elements.

The catalogue will include a standardised form for each type of unit comprising:

- Company data
- Product data

Each Producer will be fully responsible for the technical and commercial information that will be included in the Catalogue. Therefore, the inclusion of a certain type of element in this PIANC Catalogue should not be deemed as confirmation by PIANC of its technical quality or suitability for any particular application.

Please find enclosed the catalogue questionnaire sheet that you should complete for each prefabricated marina element type that you wish to have included in the catalogue. Please complete a separate
questionnaire for each such element type. Guidance on completion of the questionnaire is provided below.

You can access the electronic form of the catalogue questionnaire sheet on the PIANC website www.pianc.org home page. You may complete the form [IN ENGLISH ONLY PLEASE] online. Alternatively, you can download it, complete it at your leisure and return it by e-mail to the following address:

marinaelements@pianc.org

By returning the completed form you will be deemed to have authorised PIANC to publish the completed form and the technical information contained therein.

To ensure speedy publication of this Catalogue we request your cooperation in returning your completed questionnaire(s) before the end of March 2010.

Looking forward for your reply.

Yours Sincerely,

Francesco Prinzivalli
Chairman of the PIANC WG 131

4.2 Guidance for Filling out the Questionnaire Online

The guidance for filling out the questionnaire remains useful for the use of the website online so it is shown below.

Company Name: Type in the name by which you wish to be recognised.

Country of Headquarters: Type in the name of the country in which your HQ is located, e.g. France.

Year Establishment: Type in the year in which your company commenced operations, e.g. 1985.

Website: Type in your website where customers can obtain further information on your product.

Regions Supported: Tick each box for regions where you provide full service maintenance facilities.

Product Data: Tick only one box for each questionnaire. In the ‘Comments’ column provide information on the ‘brand’ name and range of sizes, capacities etc., without including the ‘technical description’. If you have ticked the ‘other’ box, also provide a brief description in the ‘Comments’ column.

Place Image Here: Include a graphic image of the prefabricated element. This can be a photograph, drawing, etc. in jpg format and cannot exceed 750 KB.

Technical Description: Type in a technical description of the prefabricated element together with any technical references, patents, etc.

Amount of Units Installed: Fill in the dot applicable to the prefabricated element type. If you are completing the sheet for a new element that you are introducing to the market you
will need to fill in the lowest applicable number. You might, in such a case, wish to also complete a second sheet for an established element demonstrating the high number provided.

**This form has been completed by:** Type in the name of the organisation completing the form [this is for publication in the Catalogue]

**Additional Information:** This is not for publication but so we can contact you to clarify information provided and to obtain future updates for the Catalogue.

**E-mail:** Type in the e-mail address of the person completing the questionnaire.

**Name:** Type in the name of the person completing the questionnaire.

**4.3 The Path Forward**

As decided in the final strategy, the Catalogue online will always remain open and active, as long as PIANC will consent to maintain it.

It was also decided that, under the decision of RecCom, the Catalogue can be moved eventually to another internet provider and in this case a renewal of the policy will have to be decided.

On the basis of possible future success, the website could be enriched more and more and become a portal, maintaining the aim to remain a useful instrument addressed to the marina market community.

After the approval and publication of this report, the usual press release will be prepared to be spread to magazines (Marina World, IMBC, etc.) and other media and web portals. A promotional leaflet will be prepared too.

Starting from the main marina related events in 2014:

- PIANC World Congress in San Francisco
- ICOMIA World Marinas Conference in Istanbul
- METS in Amsterdam
- Main Boat Shows

an ongoing activity of RecCom will be to spread the information about the existence and usefulness of the Catalogue.

For this a specific new Working Group will be set up, under the control of the PIANC RecCom ‘Communication & Editing Sub-Committee’.
Appendix A

List of Companies in the Catalogue at the Date of the Launch

<table>
<thead>
<tr>
<th>Company</th>
<th>Country</th>
<th>Website</th>
<th>Detail data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ballistic Marine</td>
<td>Australia</td>
<td>Click here</td>
<td>Details</td>
</tr>
<tr>
<td>Aquiluma</td>
<td>Australia</td>
<td>Click here</td>
<td>Details</td>
</tr>
<tr>
<td>Marine Technologies</td>
<td>Australia</td>
<td>Click here</td>
<td>Details</td>
</tr>
<tr>
<td>RNS Solutions</td>
<td>Australia</td>
<td>Click here</td>
<td>Details</td>
</tr>
<tr>
<td>Supermarine (group)</td>
<td>Australia</td>
<td>Click here</td>
<td>Details</td>
</tr>
<tr>
<td>WALCON MARINE AUSTRALIA PTY LIMITED</td>
<td>AUSTRALIA</td>
<td>Click here</td>
<td>Details</td>
</tr>
<tr>
<td>DualOcean</td>
<td>Austria</td>
<td>Click here</td>
<td>Details</td>
</tr>
<tr>
<td>SIKOO MARINE SOLUTIONS</td>
<td>France</td>
<td>Click here</td>
<td>Details</td>
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<tr>
<td>Water Witch</td>
<td>G. B.</td>
<td>Click here</td>
<td>Details</td>
</tr>
<tr>
<td>LeichtGmb2 GmbH</td>
<td>Germany</td>
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<td>Details</td>
</tr>
<tr>
<td>INSEAR</td>
<td>Italy</td>
<td>Click here</td>
<td>Details</td>
</tr>
<tr>
<td>SEATEC Marine technologies</td>
<td>Netherlands</td>
<td>Click here</td>
<td>Details</td>
</tr>
<tr>
<td>JLD International</td>
<td>Scotland, U.K.</td>
<td>Click here</td>
<td>Details</td>
</tr>
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<td>Glaa Force Marine Equipment</td>
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<td>Click here</td>
<td>Details</td>
</tr>
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<td>Battleygarn AB</td>
<td>Sweden</td>
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<td>Details</td>
</tr>
<tr>
<td>Seatex AB</td>
<td>Sweden</td>
<td>Click here</td>
<td>Details</td>
</tr>
<tr>
<td>SF MARINA SYSTEM AB</td>
<td>Sweden</td>
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<td>Details</td>
</tr>
<tr>
<td>E 2 Dock</td>
<td>U. S. A.</td>
<td>Click here</td>
<td>Details</td>
</tr>
<tr>
<td>Rolec Services</td>
<td>U.K.</td>
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<td>Scribble Software, Inc.</td>
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<td>Details</td>
</tr>
<tr>
<td>Majestic Marine Engineering LLC</td>
<td>United Arab Emirates</td>
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<tr>
<td>Tamar Marine Engineering Ltd</td>
<td>United Kingdom</td>
<td>Click here</td>
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<tr>
<td>Accmor Equipment Company</td>
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<td>Beacon Wi-Fi Technologies, LLC</td>
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<td>Details</td>
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<tr>
<td>East Marine Pumps</td>
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<td>Details</td>
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<td>Den Harlog Industries, Inc.</td>
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<td>USA</td>
<td>Click here</td>
<td>Details</td>
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<tr>
<td>EATON</td>
<td>USA</td>
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<td>Formex</td>
<td>USA</td>
<td>Click here</td>
<td>Details</td>
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<td>Heic Mooring Systems, Inc.</td>
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<tr>
<td>Petroleum Marine Consultants</td>
<td>USA</td>
<td>Click here</td>
<td>Details</td>
</tr>
<tr>
<td>Wave Armor</td>
<td>USA</td>
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</table>

Elements found: 32

Figure 4: Companies in the Catalogue at the date of the launch