

THE ASSOCIATION OF HYDRO-METEOROLOGICAL EQUIPMENT INDUSTRY'S MEMBER PRODUCTS CATALOGUE

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ABSTRACT

There is a global need to know what instruments, sensors, systems, software and service are available from the private sector to support various environmental applications, including meteorology, hydrology, climate, environment, energy, to name but a few.

The Product Catalogue produced and maintained by the Association of Hydro-Meteorological Equipment Industry (HMEI) fulfils this need.

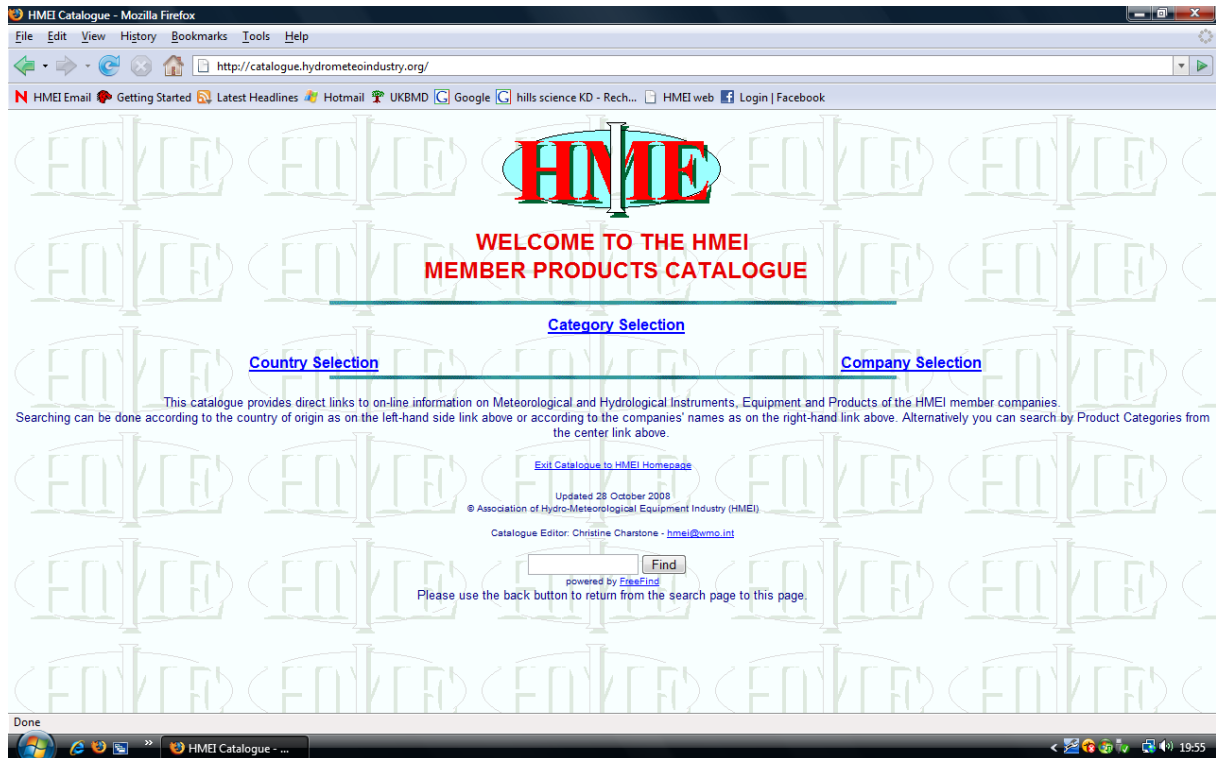
The catalogue provides details of products manufactured by 92 suppliers. These suppliers are the members of HMEI, who come from all continents and from 22 countries. The catalogue includes instruments in 40 categories; 23 applications areas and 17 sensor parameter areas.

The catalogue is accessible online as a continuously maintained, updated and searchable website.

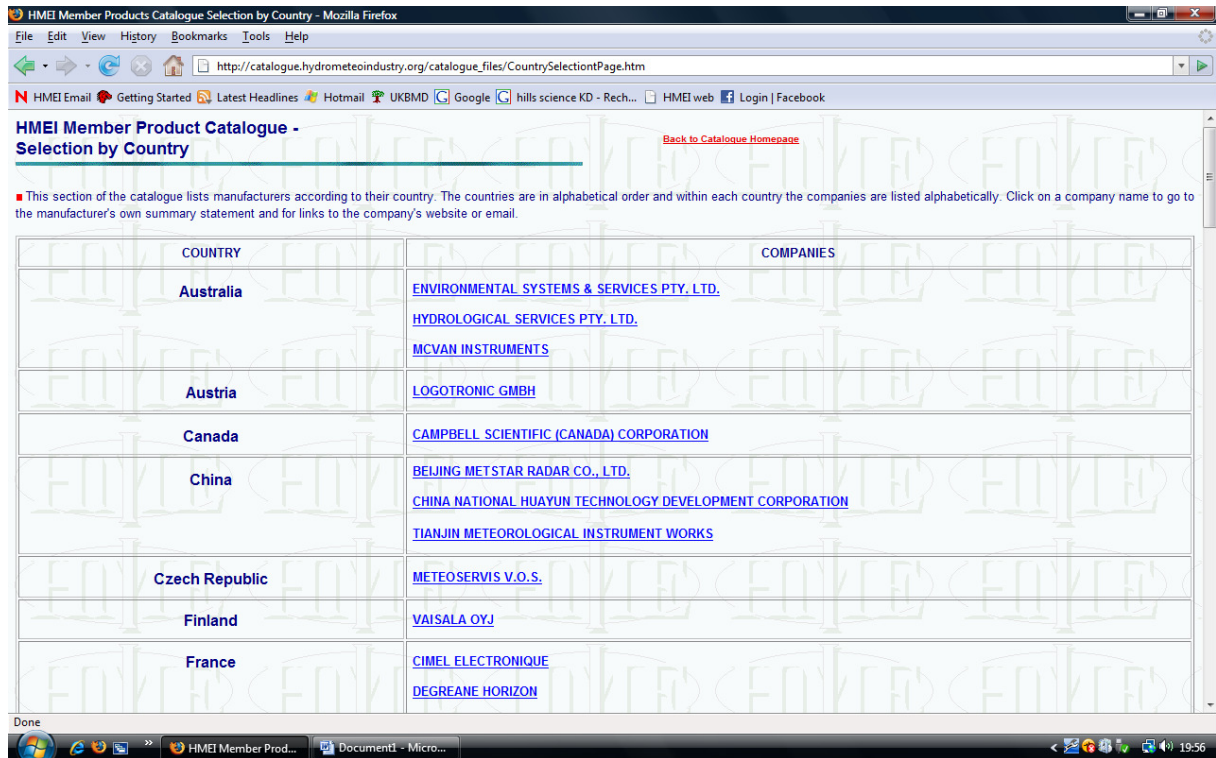
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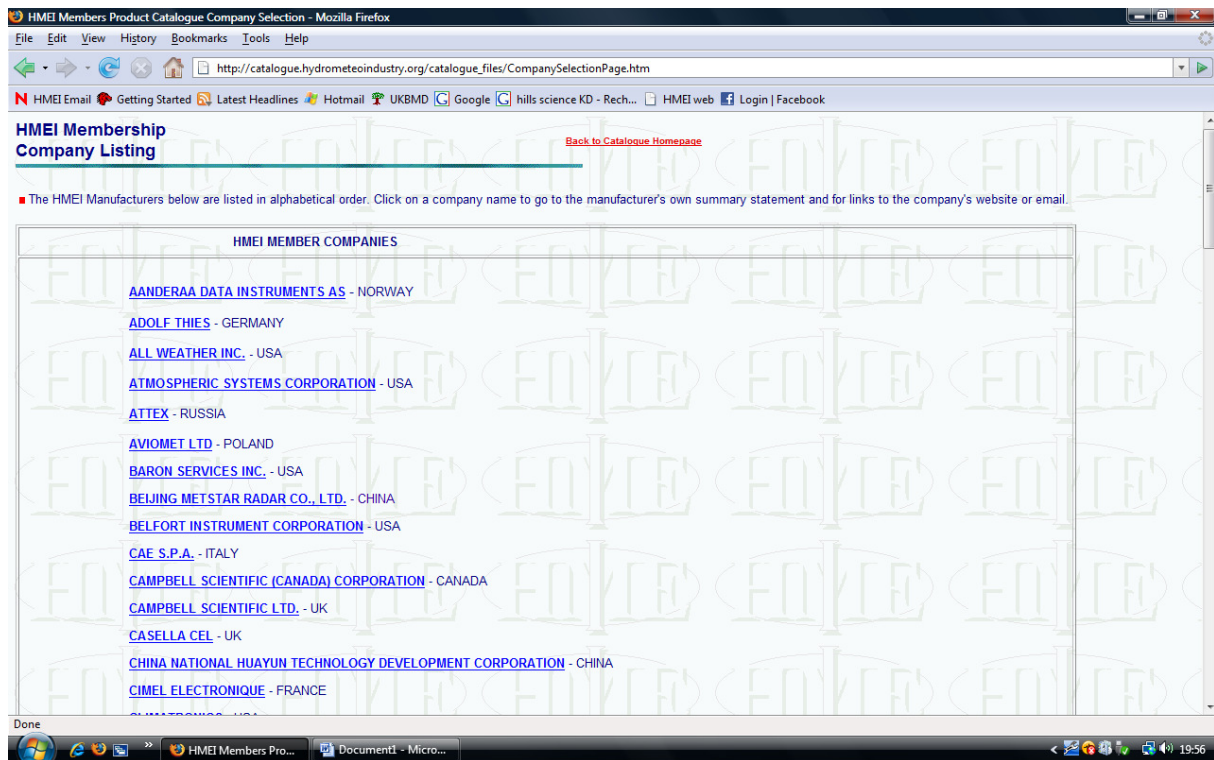
1. The HMEI catalogue is a web-based, on-line catalogue with a company page for each vendor. The company page includes the members address and contact information, a general description of the products and services provided by the vendor, and a list of the categories with which the vendor is involved. These categories can be individual instruments, systems or solutions, or application areas that cover the activities of the vendor.



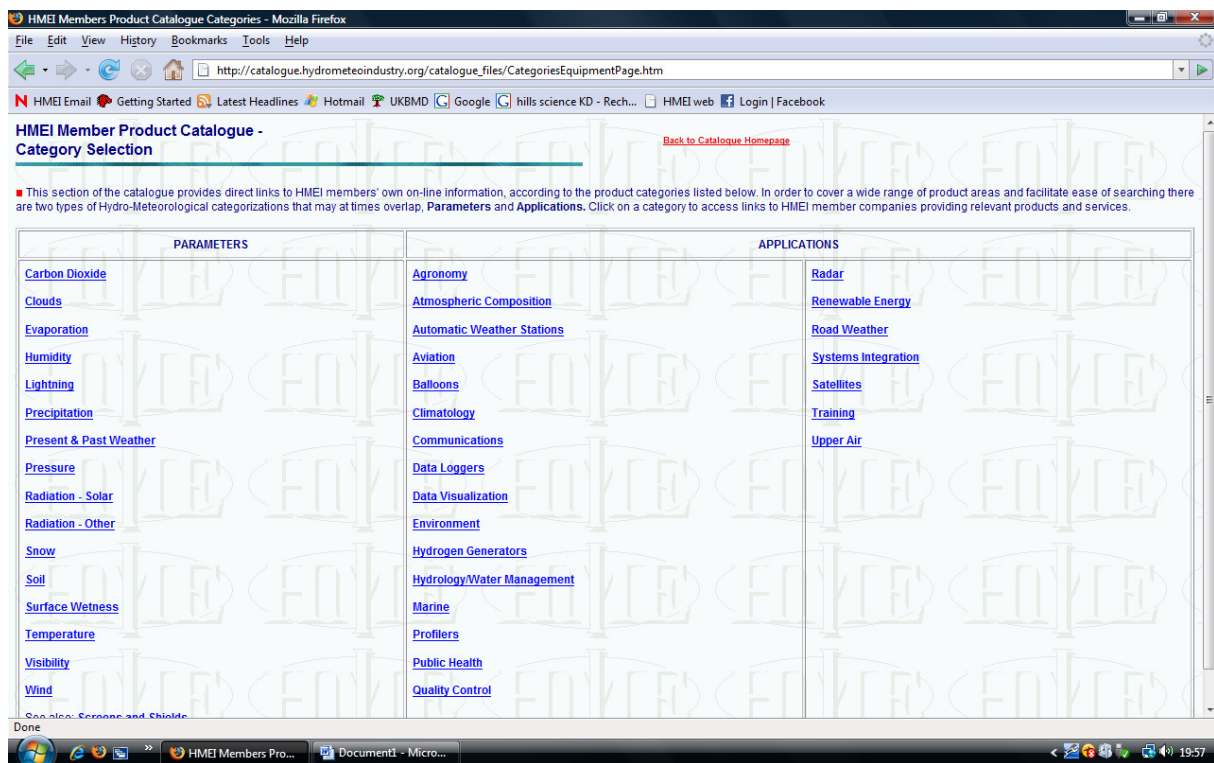
1.2 The contents of the catalogue can be accessed through three primary entry points from the home page – by company, by country and by category, as shown above.



1.3 Here is the entry through the country entry portal. In total there are 22 countries included.



1.4 Shown above is the view of the first 15 entries through the company entry point.



1.5 The catalogue includes products in 40 categories, as shown above. These categories are based on the elements (parameters) to be observed and the application areas listed in the WMO Guide to Meteorological Instruments and Methods of Observation, WMO-No. 8.

1.6 The categories are subdivided into 17 parameter areas, such as temperature and pressure, and 23 application areas, such as radar and upper air.

2. The catalogue contains information on products from 92 companies located in 22 countries. The companies included in the catalogue are:

AANDERAA DATA INSTRUMENTS AS - NORWAY
ADOLF THIES - GERMANY
ALL WEATHER INC. - USA
ATMOSPHERIC SYSTEMS CORPORATION - USA
ATTEX - RUSSIA
AVIOMET LTD - POLAND
BARON SERVICES INC. - USA
BEIJING METSTAR RADAR CO., LTD. - CHINA
BELFORT INSTRUMENT CORPORATION - USA
CAE S.P.A. - ITALY
CAMPBELL SCIENTIFIC (CANADA) CORPORATION - CANADA
CAMPBELL SCIENTIFIC LTD. - UK
CASELLA CEL - UK
CHINA NATIONAL HUAYUN TECHNOLOGY DEVELOPMENT CORPORATION - CHINA
CIMEL ELECTRONIQUE - FRANCE
CLIMATRONICS - USA
DAVIS INSTRUMENTS - USA
DEGREANE HORIZON - FRANCE
DELTA-T DEVICES LTD - UK
DETECT INC - USA
DROPLET MEASUREMENT TECHNOLOGIES - USA
EEC - USA
EIGENBRODT GMBH & CO. KG. - GERMANY
EIJKELKAMP AGRISEARCH EQUIPMENT - NETHERLANDS
EKO INSTRUMENTS CO. LTD. - JAPAN
ENVIRONMENTAL MEASUREMENTS LTD. - UK
ENVIRONMENTAL SYSTEMS & SERVICES PTY. LTD. - AUSTRALIA
ERNST BASLER & PARTNER GMBH - GERMANY
FAIRMOUNT WEATHER SYSTEMS LTD. - UK
GAMIC MBH - GERMANY
GEONOR AS - NORWAY
GILL INSTRUMENTS LTD. - UK
GRAW RADIOSONDES GMBH & CO. KG - GERMANY
HYDROLOGICAL SERVICES PTY. LTD. - AUSTRALIA
IBL SOFTWARE ENGINEERING - SLOVAKIA
IMKO MICROMODULTECHNIK GMBH - GERMANY
INTERNATIONAL MET SYSTEMS - USA
IPS METEOSTAR INC. - USA
JENOPTIK LASER, OPTIK, SYSTEME GMBH. - GERMANY
JINYANG INDUSTRIAL COMPANY LTD. - REPUBLIC OF KOREA
KIPP & ZONEN B.V. - NETHERLANDS
KWEATHER CO. - KOREA
LEOSPHERE SAS - FRANCE
LI-COR BIOSCIENCES - USA
LOCKHEED MARTIN - COHERENT TECHNOLOGIES - USA
LOCKHEED MARTIN - MS2 INTEGRATED WEATHER AND ENVIRONMENTAL SYSTEMS - USA
LOCKHEED MARTIN - SIPPICAN - USA
LOGOTRONIC GMBH - AUSTRIA
LSI SPA - ITALY
MCVAN INSTRUMENTS - AUSTRALIA
MEISEI ELECTRIC CO. LTD. - JAPAN
METEK - METEOROLOGISCHE MESSTECHNIK GMBH - GERMANY
METEO FRANCE INTERNATIONAL (MFI) - FRANCE
METEOLABOR AG - SWITZERLAND
MÉTÉORAGE - FRANCE
METEOSERVIS V.O.S. - CZECH REPUBLIC
MICROSTEP - MIS SPOL. S.R.O. - SLOVAKIA
MIERIJ METEO BV - NETHERLANDS
MODEM - FRANCE
MPS SYSTEM - SLOVAKIA
MUIR MATHESON LTD. - UK
NIPPON ELECTRIC INSTRUMENT INC. - JAPAN
ORIENTAL ELECTRONICS, INC. - JAPAN
OTT MESSTECHNIK GMBH & CO. KG - GERMANY
PAWAN EXPORTS - INDIA
PRECIS MECHANIQUE - FRANCE
PROTON ENERGY SYSTEMS - USA
PULSONIC - FRANCE
RADIOMETRICS CORPORATION - USA
R.M. YOUNG COMPANY - USA
ROTRONIC AG - SWITZERLAND
SAGIM S.A. - FRANCE
SKANDINAVISKA METEORLOGI- OCH MILJOINSTUMENT AB - SWEDEN
SCINTEC AG - GERMANY
SEBA HYDROMETRIE GMBH - GERMANY

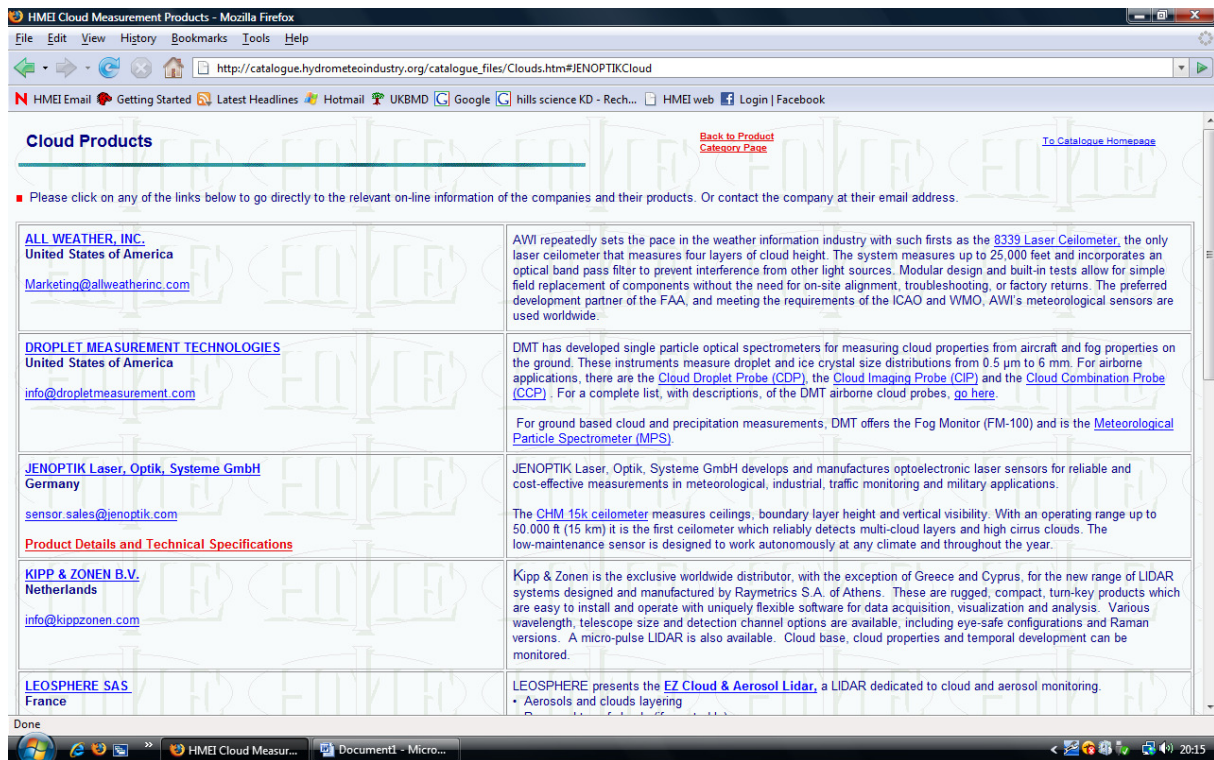
SELEX SISTEMI INTEGRATI GMBH - GERMANY
 SIAP + MICROS S.R.L. - ITALY
 SKYE INSTRUMENTS LTD. - UK
 STERELA - FRANCE
 SUMITOMO ELECTRIC INDUSTRIES, LTD. - JAPAN
 SUTRON CORPORATION - USA
 TECHSENSE SOLUTIONS SDN BHD - MALAYSIA
 TELVENT ENVIRONMENT - NETHERLANDS
 THE REPUBLIC GROUP CORPORATION - USA
 TIANJIN METEOROLOGICAL INSTRUMENT WORKS - CHINA
 TOTEX CORPORATION - JAPAN
 VAISALA OYJ - FINLAND
 VCS AKTIENGESELLSCHAFT - GERMANY
 VECTOR INSTRUMENTS (WINDSPEED LTD.) - UK
 WEATHER DECISION TECHNOLOGIES, INC. - USA
 WILH. LAMBRECHT GMBH - GERMANY
 YSI HYDRODATA LTD. - UK



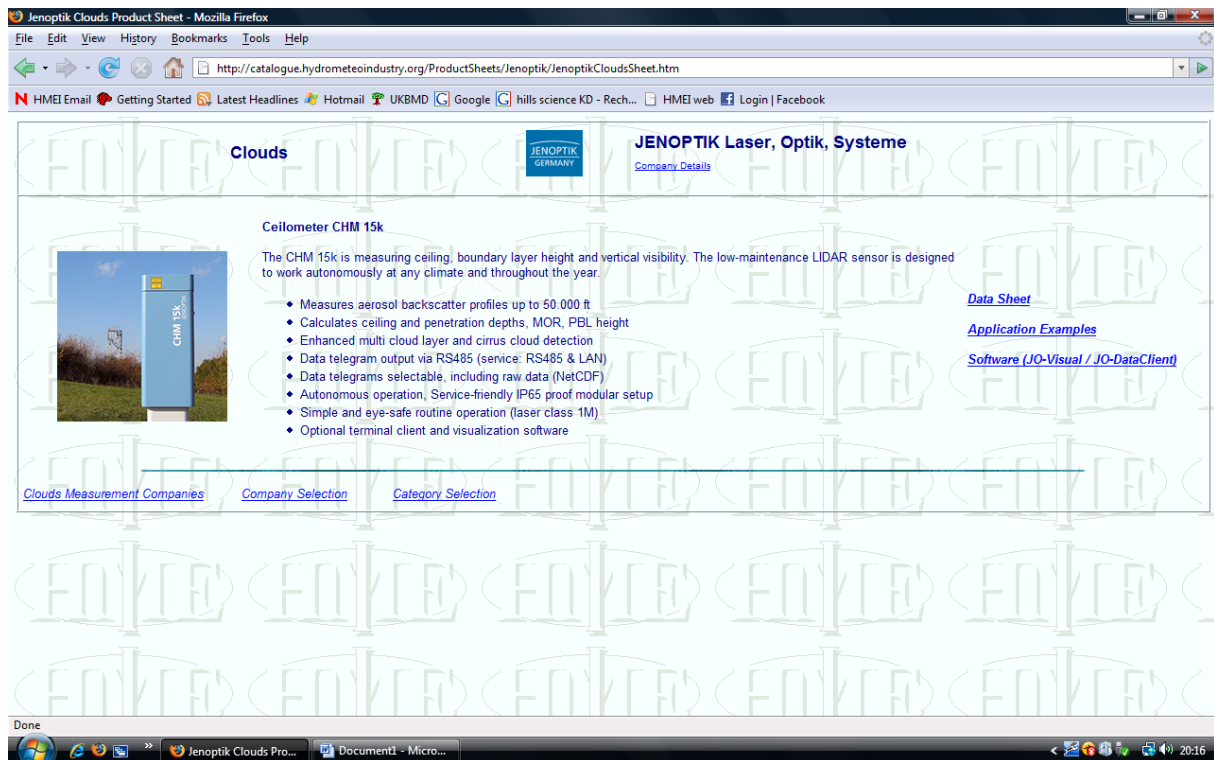
2.1. Each company has a home page similar to that displayed above, providing contact information on the company, a brief overview of the companies activities and a list of the categories with which the vendor in involved.

3. More information is available on company products by entering into each category entry. The number of categories varies from company to company, and is usually in the range of 5 to 15 categories for each company. There are in total approximately 400 category entries in the catalogue.

3.1 A category entry in red includes additional individual product information, including a mini specification on a particular product, and links to more information from individual company websites. This will be described in detail is a later section.



3.2 Here are the first few entries of the cloud product category. Many category entries include details of individual products and hyperlinks to additional information of the company website.

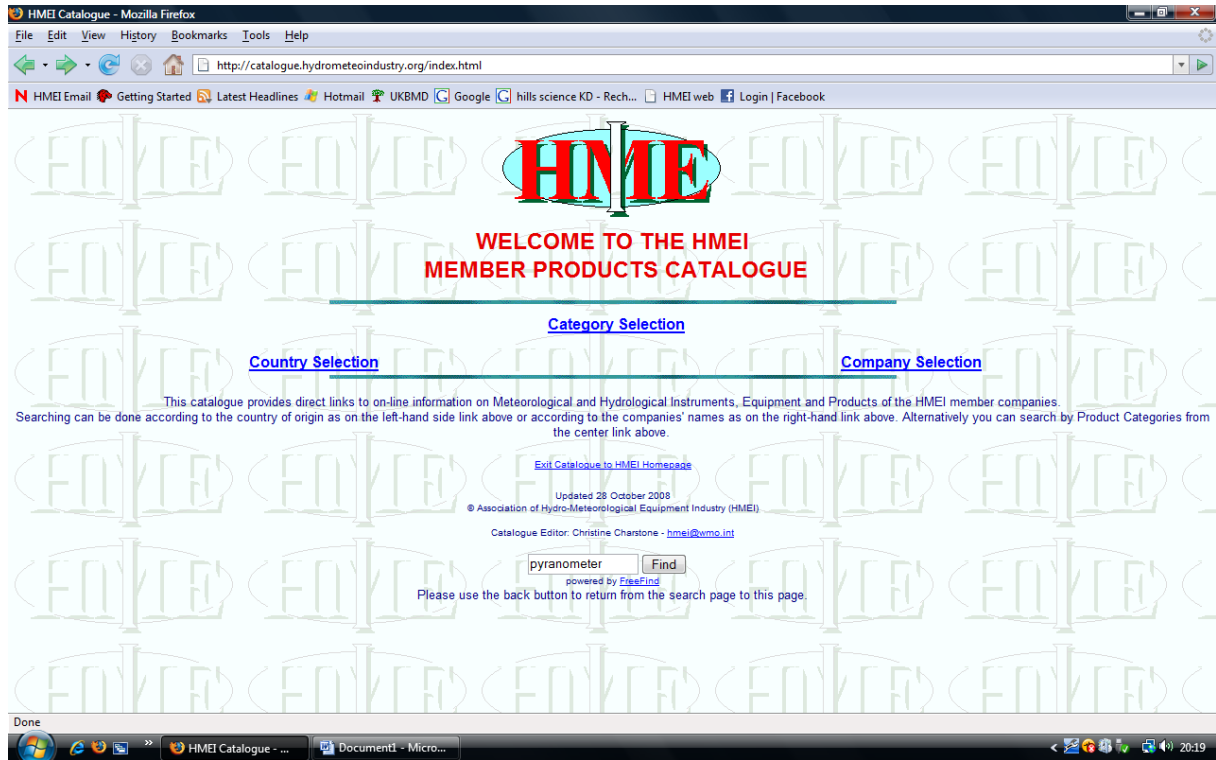


4. The product details available from the category entries lead to information on individual products, as shown here. This includes links to live information on the company websites, including technical specifications, additional product information and any other information that is available on that product. The product detail entries are a new extension to the catalogue. To date there are 130 product entries; all companies in the catalogue are expected to eventually include individual products details.

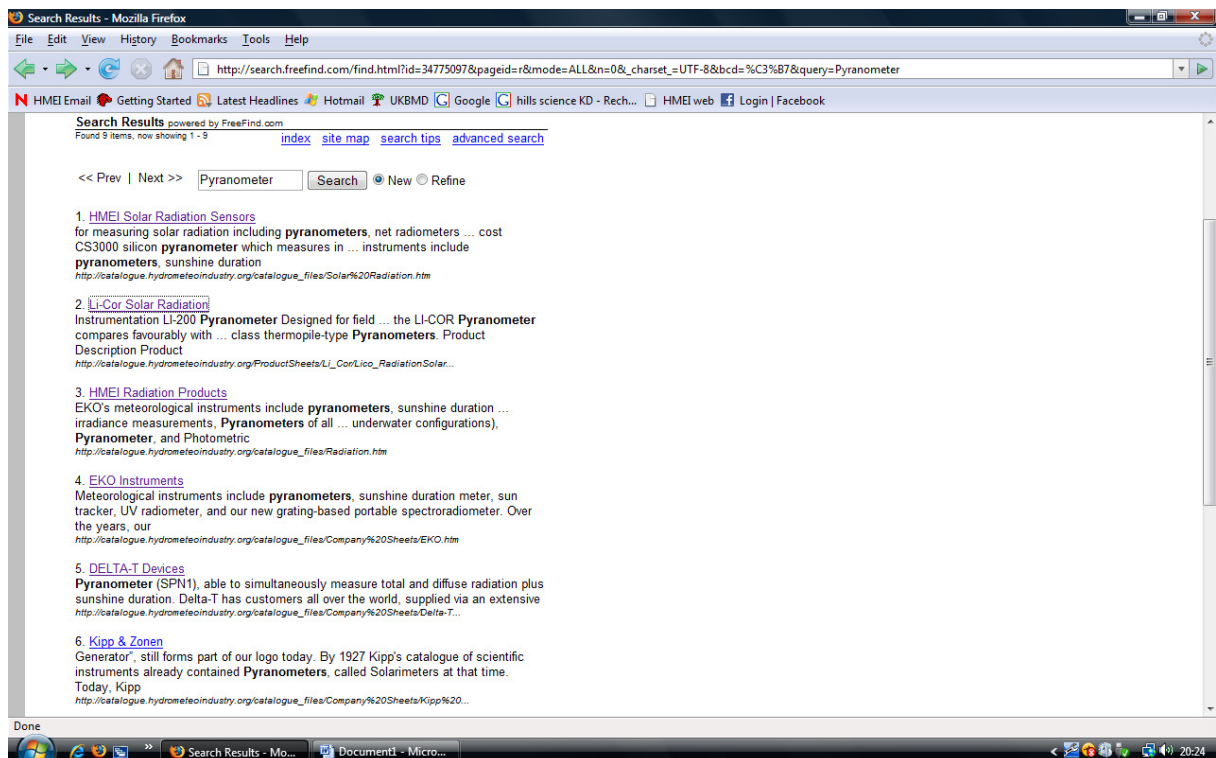
Searching the catalogue

5. This can be done by looking through individual company categories and following the links down to the individual product information.

5.1 Additionally the search facility on the catalogue home page allows one to search for any information in the catalogue, including individual product names.



5.2 Shown above is how to search for information on pyranometers. Below are the results:



Catalogue maintenance and updating

6. Companies maintain the content of their own entries and provide updates regularly. The HMEI Secretariat update the catalogue on an almost daily basis, ensuring that the information included in the catalogue is always up-to-date.

Access to the catalogue

7. The HMEI Member Product catalogue is available at:

<http://catalogue.hydrometeoindustry.org>