




Jane's™
By IHS Markit

Quick guide to your Jane's subscription





Jane's want to ensure that you derive maximum value from the subscriptions you have invested in. This guide is designed to provide a quick overview of the Jane's content available to you, and the core functionality of Jane's online services.

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Jane's Military and Security Assessments Intelligence Centre

Jane's Military and Security Assessments Intelligence Centre provides comprehensive open-source data and independent expert analysis on political stability, military capabilities, national security concerns, and international relations to give a strategic, operational, and tactical understanding of the global threat landscape.

Military Capabilities

- Analysis of the world's armies, navies, air forces and special forces
- Structured ORBATS and inventory data
- Coverage of 8,900+ bases
- Equipment and unit information
- Strategic weapon systems
- Defence budgets and procurement initiatives



Satellite Imagery Analysis

Each month our analysts deliver detailed independent imagery intelligence (IMINT), news, and insight to broaden, deepen, or validate your understanding of the worldwide security picture.



Security News

- Daily rapid reaction reports
- Intelligence briefs on strategic trends and changing risks
- Special reports containing high level analysis of key risk trends
- Major incident response assessments



Analytics Dashboards

- Risk Ratings Explorer
- Land Vehicle, Naval and Aircraft Inventories Explorer
- Military Personnel Analysis Tool



Country Risk

Current, in-depth and impartial analysis for more than 200 countries of:

- Politics
- Economy
- Military
- Defence
- Foreign affairs
- Security



Jane's Terrorism and Insurgency Centre

Jane's Terrorism and Insurgency Centre is a structured, consistent, and comprehensive database of 250,000+ open source events related to non-state armed groups, with multiple fields of metadata and geocoding where relevant. Data is gathered from multiple sources and double source verified to support validation and declassification of proprietary and classified sources.

Our rigorous methodology ensures our data and insight is objective, impartial, and reliable, ensuring you can trust the conclusions you draw from our content.



Events Database

- More than 250,000 events back to 2009
- Verified and validated metadata on events relating to non-state armed groups and counter terrorism
- View data as points, thematically and as a heat map



Group Profiles

- Data and analysis of more than 290 groups
- Capabilities
- Doctrine
- Leadership
- Propaganda
- Areas of operation

In-depth Analysis

- Monthly global attack index
- Regional reports
- Country briefings



Analytics Dashboards

- Non State Armed Groups Tactical and Targeting Trends
- Global Non State Armed Groups Attacks Explorer
- Five Year Non State Armed Groups Regional Report

Jane's Militant Propaganda Analysis



Responding to quickly evolving militant communication strategies and outputs, Jane's Militant Propaganda Analysis offers a dedicated stream of analysis on the use of a broad range of social media platforms by militant groups to communicate and spread propaganda. Militant-produced content in multiple languages is assessed by our unique network of native language terrorism experts, providing comprehensive coverage and insights into issues our analysts identify and assess as being of significant analytic value.

Jane's Militant Propaganda Analysis offers ahead-of-the-curve insights on politically or ideologically motivated violence, helping you identify new trends and generate actionable intelligence to inform security assessments and broader strategic approaches to matters of countering violent extremism.

Core focus areas:



Social media narratives



Sentiment from various groups



The interpretation and understanding of militant messaging



The evolving extremist use of social media



Implications from a global perspective

Jane's Defence Equipment and Technology Intelligence Centre

Timely, relevant and accurate open-source intelligence on military platforms, weapons and systems in use and in development world-wide. Profiles include descriptions, images, specifications, status and development history to support equipment identification, assessment and procurement. All equipment profiles are reviewed annually and updated within 21 days of receipt of new information. The premier unclassified military equipment database to support operations and planning for both the public and private sectors.

Jane's Defence Equipment and Technology Intelligence Centre brings together a wide variety of content.

Land Warfare Platforms

Providing a critical resource for platform recognition, capability assessment, and programme management.

- Armoured Fighting Vehicles
- Artillery and Air Defence
- Logistics, Support and Unmanned
- Firepower, Survivability and Mobility



Sea Platforms

Combining sea-defence data and analysis on naval and coast guard vessels, both surface and sub-surface, manned and unmanned, that are in service, production or development.

- Fighting Ships
- Unmanned Maritime Vehicles



Weapons

A complete tri-service, joint and strategic reference portfolio of military weapons.

- Naval
- Infantry
- Air Launched
- Strategic
- Ammunition



Air and Space

A complete reference portfolio of air and space platforms, systems and subsystems under development, in production and in service.

- All the World's Aircraft: Development and Production
- All the World's Aircraft: In Service
- All the World's Aircraft: Unmanned
- Aero-Engines
- Flight Avionics
- Space Systems and Industry





C4ISR and Mission Systems

Trusted content covering military C4I systems, sensors, communications and other critical systems.

- Air
- Land
- Maritime
- Joint and Common Equipment



Simulation and Training

Providing world-leading profiles and detailed information on civilian and military training and simulation systems, for land, sea, air, multirole, and joint applications.



Defence News

Impartial independent insight into developments in equipment and technology, geopolitics, armed forces, markets and business.

- Defence Weekly
- International Defence Review
- Navy International
- Missiles and Rockets
- Defence Industry News



Analytics Dashboards

- Explorer – visually explore and link to platform families to quickly distinguish between models and variants.
- Fighting Ships Explorer – view of vessels in service, under construction, proposed or reserved worldwide.
- Specifications – search specific design characteristics and performance capabilities.
- Equipment comparison tools



EOD and CBRNE

Information on the world's chemical, biological, radiological, nuclear and explosive weapons and agents.

- Mines and EOD Operational Guide
- EOD and CBRNE Defence Equipment



Jane's Online Intelligence Briefings



Delivering additional analysis, these briefings provide an exclusive opportunity to delve more deeply into the most topical issues. Expert analysts deliver 45-60 minutes of insight across a broad range of topics.

Topics covered include:

- Terrorism and insurgency trends
- OSINT and the digital revolution
- Global defence budgets
- Developments in defence equipment and technology

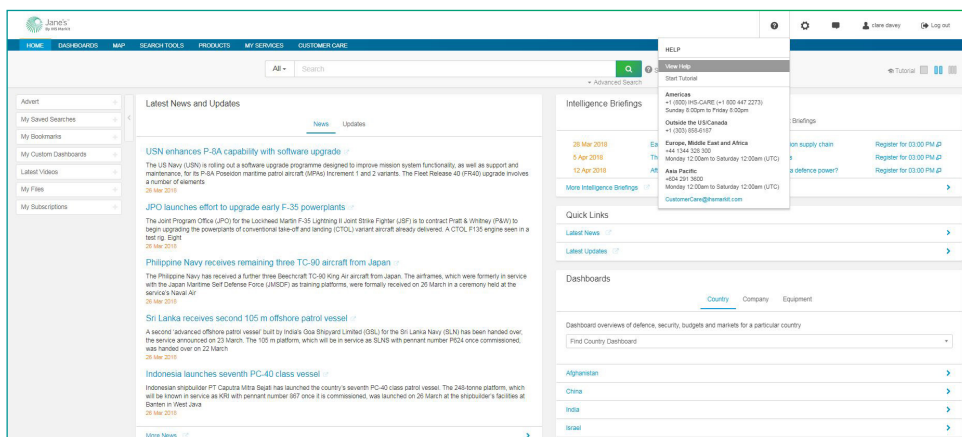
Jane's Support and Training




This section is designed to take you through some of the key functionality of the Jane's online system.

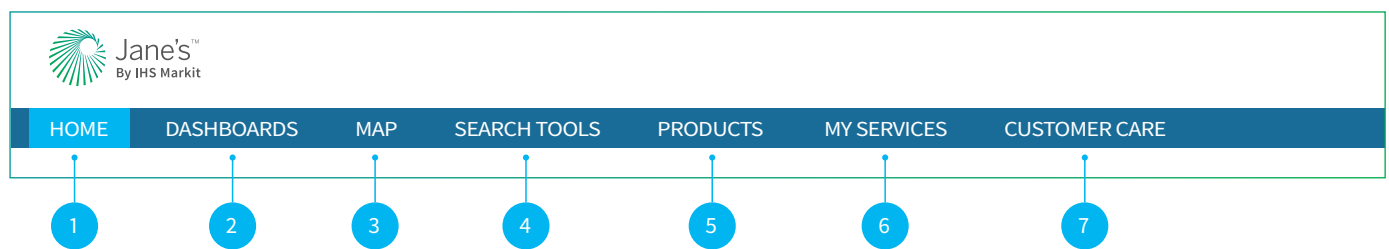
Remember, Jane's experts are available to provide tailored individual or group training. To discuss your requirements and schedule an appointment contact training.requests@ihsmarkit.com

Accessing the Jane's online help system



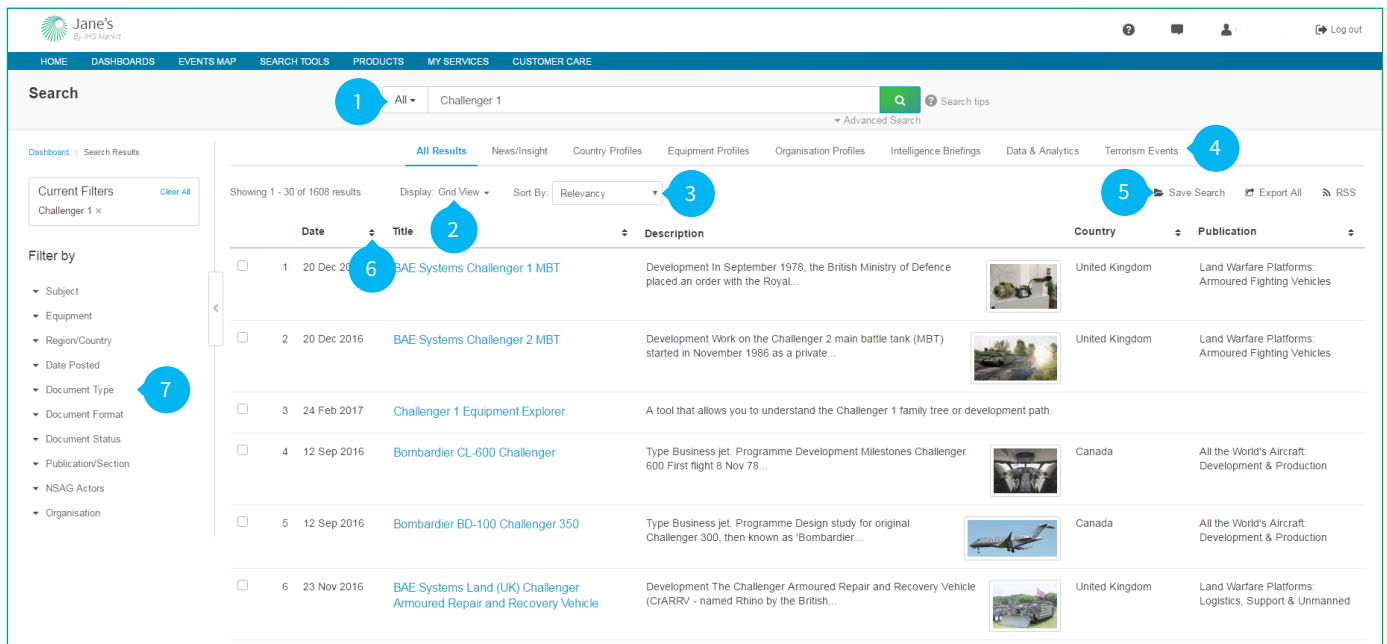
A detailed online help system is available via the  icon in the top right of your screen

After login



1. Home will always return you to the homepage and will clear your search so you can start afresh.
2. Access subject focused dashboards on country, company or equipment information. This is a great place to start your session as information from across your subscription is consolidated on a given topic.
3. Map gives you access to a geospatial layer that can also be ingested into GIS systems for analysis and integration with related layers.
4. Search tools provides access to the Advanced Search option and Explorers.
5. Products gives you access to a listing of your subscribed content with quick links to the product homepages. Products can be viewed by Subject, A – Z and saved as Favourites.
6. My Services gives you access to your email alerts, custom dashboards, bookmarks, files, notes, saved searches, Report Builder, videos and Intelligence Briefings.
7. Customer care provides contact details for the customer care team, you are also able to access the online training or request individual or group training.

Searching and filtering your results

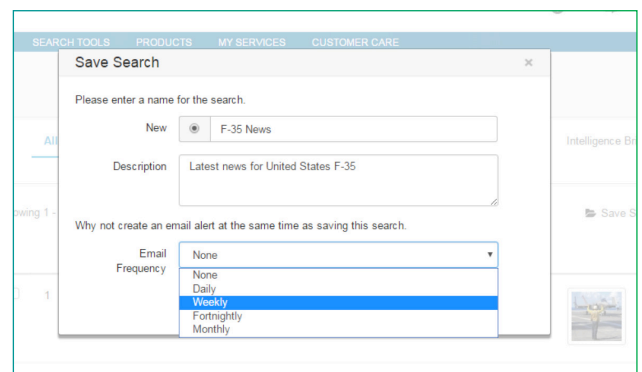


1. Start a search by entering a search term in the search box. By default this will search your entire subscription.
2. You can alter the display of your results by selecting grid view, story view, thumbnail view, or you can create a custom display.
3. Each search will display results by relevancy by default. Select the drop down menu to change this to Date, Title, Country or Publication.
4. Tabs across the top of the page will quickly filter your search by document type such as all results, news only or equipment profiles only.
5. Click to save your search so you do not need to re-enter criteria for searches you regularly carry out.
6. Click the arrows on the date filter to reorder results by date ascending or date descending.
7. Multiple search filters can be added to further refine your search. Expand the filters to view options and click refine results once you have selected your filters.

Setting up saved searches

Once you have constructed a search you can choose to save that search for later reference, so that you do not need to enter regular search details again. Simply click the “Save Search” icon at the top of the search grid (see point 5 of “Searching and filtering your results”).

Saved searches can also be set up as an email alert, so that you receive a regular email when new information is published that matches your search criteria. Select the frequency of the alerts using the drop down menu.



Viewing a document

No longer through the looking glass: Submarine optronic masts transform the above-water picture

The growing maturity and increasing performance of non-hull penetrating optronic mast systems are gaining the appreciation of submarine operators and designers alike. *Richard Scott reports on the latest developments*

The image of a steely eyed submarine commander raising a periscope to search for prey above is classic celluloid. Yet, it also bears testament to the fact that for more than a century, submarine commanders remained wholly dependent on direct-view optical periscopes to gain an appreciation of the above-water situation while submerged.

These opto-mechanical devices evolved over time to incorporate improved optics, the introduction of electrical drives, and line-of-sight stabilisation. From the 1970s onwards came the initial introduction of adjunct electro-optical (EO) sensors - such as lowlight TV image intensifiers, and thermal cameras - into conventional daylight periscopes so as to improve performance at night or in conditions of degraded visibility. However, these sensors were still slaved to the direct-view optical line of sight, and as previously, their output was presented to the commander in the eyepiece at the base of the periscope.

Over time, the remote-viewing potential afforded by EO sensor packages was progressively exploited by the introduction of supplementary imagery displays elsewhere in the control room, and then by decoupling the sensors entirely from the direct-view optical channel. This allowed the introduction of a 'quick-look round' (QLR) facility, whereby the televisual sensor, mounted on a motorised platform atop the periscope, could be raised above the water line, quickly scanned through 360 degrees, and then immediately retracted. The recorded imagery from the sensor could then be analysed in slow time, avoiding the risk of counter-detection by a potential adversary.

Further evolution of the 'electronic periscope' was to make the periscope and its integral optronic sensors fully remotely controlled from dedicated or multifunction consoles. This meant that tactical data could be viewed by eyepiece injection, or on a remote console display.

However, the intrusive mechanics associated with a conventional direct path periscope - which requires a deep well through the submarine to accommodate the optics tube - still impose a number of tyrannies on whole-boat design. Periscopes demand a large penetration into the pressure hull and the attendant support of a complex and heavy hoist mechanism - suitably engineered to ensure watertight integrity - within the structure of the fin or sail.

Also, to meet the immediate needs of the submarine commander or watchkeeper, the relating ocular boxes of the respective search-and-attack periscopes are sited centrally in the control room where they occupy a significant volume of the available space. Another constraint of the direct-view periscope is to condition internal layout such that the control room is necessarily beneath the fin or sail.

The advance of technology has now changed the paradigm. The last three decades have seen the development and progressive introduction to service of a new generation of modular, multi-sensor optronic mast systems that no longer demand a mast penetration through the pressure hull, instead, they require only an electronic cable to link them into the submarine's interior.

Inside the boat, it is the ability for remote-viewing that has offered submarine designers a new-found flexibility with regard to the location and layout of both the fin and the control room. The modularity of optronic masts also makes sensor maintenance and upgrade much more straightforward, and additionally provides scope for the user to adapt or upgrade individual systems according to the demands of a specific mission profile.

Given the generally risk adverse nature of navies, and the wholly understandable conservatism of the submarine community, it has taken some time for the optronic mast concept to gain acceptance from operational practitioners. This has been reflected by the trend for many navies to specify new-build submarines with one optronic search mast system and

Record Info (1) hide

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Author
Richard Scott, London

Section
Feature

Countries
Germany
Italy
Korea, South
Portugal
Sweden
Turkey
United Kingdom
United States

Date posted
18-Apr-2017

Images
8 images

Contents (hide)

- CMO10 in service
- Second generation
- Search mast family
- OWS family grows

RELATED LINKS (5)

- Country
- United Kingdom
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2. Click to turn the keyword highlighting on or off, keywords are highlighted if they were part of your search term.
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5. Click to add your own notes to a document. You can access your notes in the "My Notes" area via the "My Services" tab.

Report Builder

Report Builder allows you to select an article on the search results page, or select any text, image or table you see on any article on this site, and add them to a customised report which you can name and then export or come back to later.

To export images, select "Add entire document" under the "Content" section. Any text which isn't required can be easily deleted.

Report Builder

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Add Note

Title
Lockheed Martin F-16 Fighting Falcon

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Emerged from General Dynamics YF-16 of US Air Force Lightweight Fighter prototype programme in 1972, first flight of prototype YF-16 (72-01567) 2 February 1974, first flight of second prototype (72-01568) 9 May 1974, selected for full-scale development (FSD) 13 January 1975; day fighter requirement extended to add air-to-ground capability with...

Save | Cancel

The latest updates direct to your inbox

To help you stay up to date with the latest updates in key areas including security, defence equipment, technology and terrorism, Jane's have created a set of standard email alerts and RSS feeds. To set these up go to "My Services" in the top navigation bar and select "My Alerts & Feeds". Click on the envelope icon to set up an email alert and the RSS icon to set up a RSS feed.

Alerts & Feeds

Click on an icon to select either email or RSS delivery

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- Janes International Defence Review Feed
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Contact Us

If you have any questions regarding your Jane's subscription or to arrange training please contact us and we'll be happy to discuss your requirements.

Jack Borthwick

T +44 (0) 7929 016 428

E jack.borthwick@ihsmarkit.com

Michelle Judd

T +44 (0) 7813 532 906

E michelle.judd@ihsmarkit.com

To arrange training email
training.requests@ihsmarkit.com

janes.ihs.com