

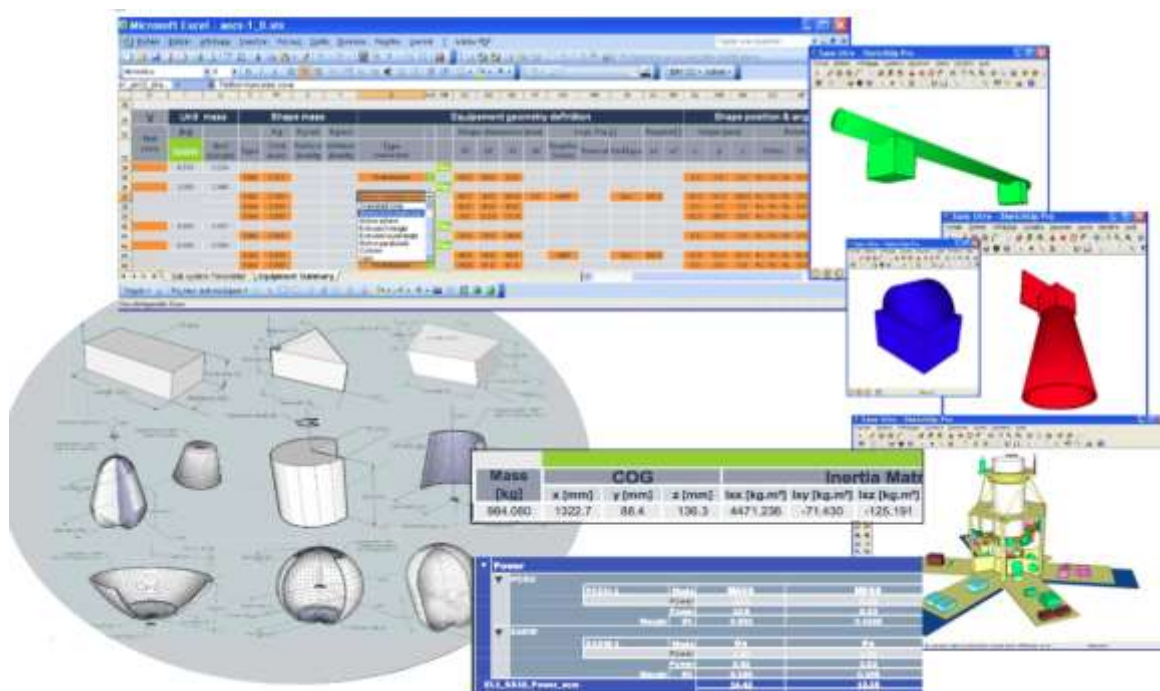
Press Release

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France-India space cooperation CNES and satsearch sign agreement to support future space systems engineering

Tuesday 26 June at the **Toulouse Space Show**, CNES signed an agreement with satsearch to develop tools and processes to support future space systems engineering. This effort ties in with satsearch's push towards Data-Driven Design™ (D³) for the space industry. The relationship will be initiated by a project to build a native integration of satsearch's supply chain database into CNES's Integrated Design Model (IDM) concurrent engineering software.



Snapshot of the IDM ecosystem of tools.

The [Integrated Design Model \(IDM\)](#) suite of tools, developed by CNES and currently in use at its Concurrent Engineering (CE) Centre in Toulouse, includes an editor (IDM-CIC) and a viewer (IDM View) that offer engineers a powerful way to design and validate space mission concepts during pre-phase A studies. The architecture of the software implements a shared XML file, which acts as a database. Management of roles provides the flexibility to organize collaborative work for CE sessions. IDM also enables 3D geometric modelling that allows engineers to assess key budgets and gain deeper insights by coupling to tools for structural, thermal and radiation analysis. The 3D models also enable parameterized functions to test a space system's kinematic behaviour.

Satsearch's mission is to build the global supply chain platform for the space industry, indexing all of the products, services and technologies offered by suppliers all around the globe. Currently, over 5,000 products and services from over 700 suppliers are available through [satsearch](#). Satsearch

aims to streamline the matchmaking process between stakeholders and has launched a RFI/RFQ engine to accelerate supply chain transactions. Users all over the world use satsearch on a daily basis to find the right products and services.

The IDM-satsearch integration is enabled by the fact that IDM has been architected to support a rich ecosystem of plugins. This agreement signals the intent from both organizations to offer a complete, up-to-date and parametric parts library to IDM users, enabling them to natively explore the array of mission concepts made possible by suppliers across the globe. Both organizations are committed to developing tooling that embeds the satsearch platform within IDM, giving engineers the ability to seamlessly navigate the global space supply chain and execute comprehensive trade studies.

After the signature, CNES President Jean-Yves Le Gall commented: “By partnering with satsearch, CNES is further increasing the power of its unique IDM space mission design tool and paving the way for its wider use by space players around the world, notably in India where satsearch is well established. This partnership with a NewSpace start-up fully aligns with CNES’s mission to seek out the most remarkable innovations wherever they are.”

“This agreement with CNES is further evidence of the growing interest in the satsearch platform and our commitment towards building a strong partner ecosystem to bring supply chain digitalization to the space industry,” added Kartik Kumar, CEO of satsearch. “We are looking forward to working closely with CNES to support exciting missions being designed by IDM users around the world.”

About satsearch

Satsearch aims to capture the entire landscape of the space sector by building a comprehensive, independent and up-to-date search engine that indexes all the products and services within the global industry. The satsearch platform provides users with parametric search capabilities, enabling complex data querying and visualization, in support of engineering, procurement, business development and market analysis.

For more information, please visit satsearch.co.

About CNES

Founded in 1961, the Centre National d’Etudes Spatiales (CNES) is the government agency responsible for shaping and implementing France’s space policy in Europe. Its task is to invent the space systems of the future, bring space technologies to maturity and guarantee France’s independent access to space. CNES is a pivotal player in Europe’s space programme, and a major source of initiatives and proposals that aim to maintain France and Europe’s competitive edge.

For more information, please visit cnes.fr.

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