

## Expert Index and Patent Solutions from IHS Markit Competitive Comparison

	Expert Index & Patent Solutions by IHS Markit	Leading Competitor	The IHS Markit Advantage
<b>Engineering bibliographic database</b>	65+ million records	21 million records	Expert Index includes a far greater overall number of records indexed, and the IHS Markit solution covers many of the same sources as the leading competitor, plus many more.
<b>Scientific bibliographic database</b>	Included in overall 65+ million records	16 million records (many duplicated above)	Much of the content in the competitor solution duplicates sources covered in the competitor's engineering bibliographic database above. Expert Index contains many of the same sources and indexes more records and journals.
<b>Geoscience literature database</b>	Included in overall 65+ million records	3 million records	The competitor offers a database of indexed research literature covering geoscience literature. Expert Index covers many of the same knowledge bases, along with additional content.
<b>Geoscience bibliographic database</b>	Included in overall 65+ million records	4 million records (many duplicated above)	Much of the contents of the competitor's geoscience bibliographic index duplicates their geoscience literature database above. Expert Index includes many of the same sources, as well as many additional knowledge bases.
<b>US Patents</b>	13 million records + 54 million non-US patents	12 million records	Expert Index covers the same US Patents, as well as having additional US patent content and additional geographic regions, such as China, Japan, and more.
<b>EU Patents</b>	6 million records	4 million records	As above, Expert Index covers the same EU Patents, along with additional European Patent content and additional patents from China, Japan, and other markets.
<b>National Technical Information Service (NTIS) database</b>	4.6 million records currently indexed	2.5 million records	NTIS database sources currently covered in Expert Index include OSTI, DTIC, NIST, and NRC, for more than 4.6 million records, with more coming.
<b>Energy industry literature database</b>	850,000+	1+ million records	The competitor solution includes a bibliographic index covering technical literature on the petroleum industry. Expert Index covers the OnePetro database from the Society of Petroleum Engineers, Crambeth Allen articles, Energy Institute publications, and ASTM articles, along with records from thousands of other sources touching on the Oil & Gas industry.
<b>Energy industry patent database</b>	Petroleum-related patents are included in the 60+ million patents noted above	600,000 records	The competitor solution covers a patent database focused exclusively on discoveries related to the Oil & Gas sector, which also is included in the much larger (60 million documents) IHS Markit patent collections.
<b>Pulp and Paper industry literature database</b>	430,000 records	690,000 records	The competitor solution covers abstracted and indexed literature created specifically for research in the pulp & paper industry. Expert Index yields more than 430,000 results covering pulp & paper topics from a variety of sources.

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<b>Chemical business news database</b>	Included in overall 65+ million records	1.8 million records	Chemical business news in the competitor solution covers financial and business data from chemical companies, industry R&D news, government legislation, and economic trends. Expert Index contains chemical industry news from multiple sources, including IHS Markit's own Chemical division, which publishes the Chemical Economics Handbook (CEH) and Chemical Week, among others.
<b>Chemistry and chemical engineering literature database</b>	Included in overall 65+ million records	4.6 million records	The competitor solution provides a database of engineering literature abstracts created for chemistry and chemical engineering. Expert Index covers a variety of chemical literature from a range of sources, including the world's leading chemistry publisher, as well as patents.
<b>AI-driven search technology leveraging machine learning and natural-language processing</b>	Yes	No	Expert Index and the Patent Solutions by IHS Markit leverage the artificial intelligence technologies built into Engineering Workbench, including machine learning and natural-language processing, to accelerate research by helping users pinpoint precise answers from within a curated universe of reference materials.
<b>Access technical reference alongside standards AND eBook content</b>	Yes	No	Engineering Workbench provides single-source access to the essential standards and technical reference content that engineers and other technical professionals needs daily. No other solution lets users pinpoint precise answers and knowledge across such a broad collection of more than 135 million records through a single search interface.
<b>AI-based Virtual Subject Matter Expert</b>	Yes	No	Research Assistant by IHS Markit* is a powerful, exclusive content analysis toolset that acts like a "virtual subject matter expert (SME)" to help technical professionals quickly discover knowledge and answers in an organization's library of trusted technical reference, regardless of where that information resides, enabling engineers to make decisions faster and with greater confidence.
<b>Advanced Patent Analytics Designed by and for Technical Professionals</b>	Yes	No	The Patent Intelligence module by IHS Markit* provides a unique graphical toolset that allows users to perform a range of analyses on 60 million+ worldwide patents and applications. Patent Intelligence is designed specifically with the technical professional in mind, with tools intended to drive product and process innovation.

The information provided herein is based on analysis by, and is the opinion of, IHS Markit, and should only be used to assist in the evaluation of IHS Markit Technical Reference Solutions versus other offerings.

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