

# Integration of a RIS to Develop Seamless Workflow in the Radiology Department

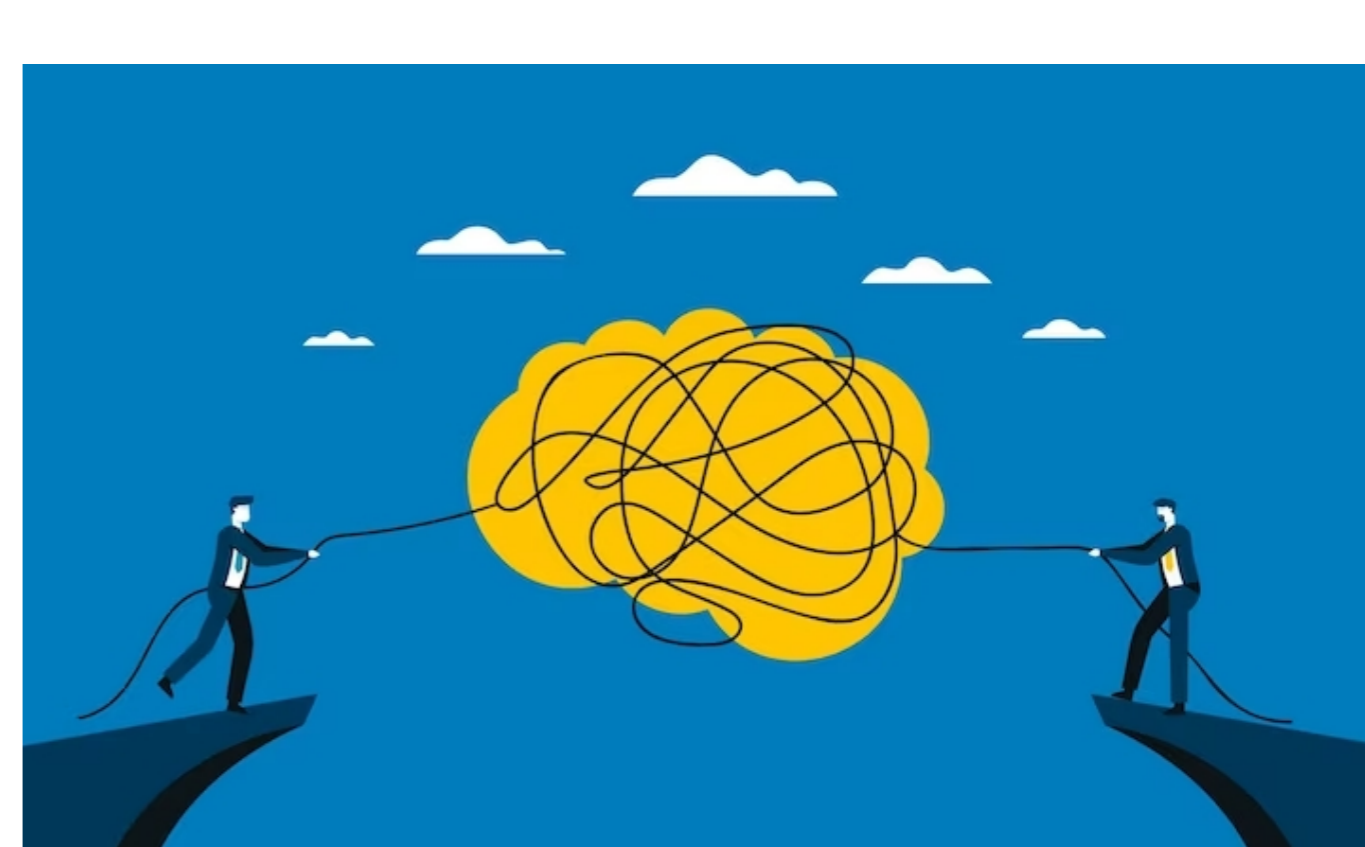


## Radiology Information System (RIS) Overview

A radiology information system (RIS) is a networked software system for managing medical imagery and associated data. A RIS is especially useful for tracking radiology imaging orders and billing information and is often used in conjunction with (picture archiving and communication system) PACS to manage image archives, record-keeping, and billing. This is a sophisticated database system that radiology medical professionals use to keep track of patient data and the enormous image files typically generated in the course of diagnosis and treatment. A RIS is a special kind of electronic health record system designed specifically for use in radiology.

## Major Challenges Faced by the Client

Despite having many advantages of RIS, there are some major challenges related to software that the client wanted to resolve and understand how to overcome such drawbacks. With RIS, it's easier to communicate with other practitioners or referring doctors, however, there are some problems related to security and complexities regarding the integration of RIS software.



## Client Requirements

The client has approached Data Bridge Market Research to understand the current scenario of RIS market and also to identify the business scope in the competitive landscape. Additionally, the client has asked for the following requirements:

- Growth rate & market size for their product portfolio
- Key factors inflicting the adoption of RIS  
COVID Impact on RIS market
- Integration of software in radiology department
- Competitive analysis of leading market players dealing in RIS



Furthermore, the client wanted to know about the current trends and technologies along with a detailed study of major players that are adopting in RIS market so that they can expand their business accordingly.

## DBMR Approach to Overcome Client Challenges

Data Bridge Market Research has prepared a business model for the client covering every aspect of the market including the various solution and sub-system related to the RIS. The company has done the detailed analysis of the RIS platform and identified the best available option in the market. Furthermore, the company has prepared DBMR Tripod model where the details of the key vendors, niche players & prospects players are given which will help the client to identify the major players that are dealing in the market.

Furthermore, to arrive at market size numbers, the company have followed a tripod model for analysis in which we consider various approaches such as secondary research, primary research and product mapping. The secondary research include data published by government, annual reports, press releases, investor presentations of companies, white papers, certified publications, market related associations and many more. We have also considered data from various paid sources such as Hoovers, Factiva, and others. Another source is primary in which DBMR has conducted in-depth interviews with various primary respondents. Our primary research involves e-mail interactions and telephone interviews for each market category, segment, and sub-segment across different geographies. Our industry experts include CEO, V.P., Marketing Managers, Sales Managers and Executives, and Engineers from related industry. Apart from that, the company have analyzed the trackable revenue (revenue generated from focused product) for each company based on our research methodology. While estimating the trackable revenue, DBMR track down the products and services related to the market based on varied regions. All possible parameters that affect the market are viewed in extensive detail, verified through primary research and analyzed to get the final quantitative and qualitative data

## DBMR Research Methodology

In order to provide the insights of the market to the client, Data Bridge Market Research have provided detailed study of each segment along with the market size and growth rate so that the client could get the overview of the dominating segment along with the trend associated to it

Furthermore, the company has provided RIS market competitive landscape provides details by competitor where the details such as company overview, financial, recent investment in R&D along with the new market initiatives are covered. This further helped the client to get the better understanding of the market player and to identify the key vendors, market disruptors and niche players dealing in the market

In addition to this, Data Bridge Market Research have also provided regional basis analysis where it is studied that North America dominates the radiology information systems (RIS) market because of the increasing number of radiologists and the advent of new software systems by current providers in this region. Additionally, launch of comprehensive RIS with integrated PACS will flourish the market's growth rate in this region. This analysis helped the client to plan and expand their business

The country section of the report also provides individual market impacting factors and changes in regulation in the market domestically that impacts the current and future trends of the market. Data points such as down-stream and upstream value chain analysis, technical trends and porter's five forces analysis, case studies are some of the pointers used to forecast the market scenario for individual countries. Also, the presence and availability of global brands and their challenges faced due to large or scarce competition from local and domestic brands, impact of domestic tariffs and trade routes are considered while providing forecast analysis of the country data

Hence, with this approach the client was able to get the better insights of the market and prepare their business strategy accordingly.

## Business Impact

With the help of the DBMR analysis, the client was able to identify the top players that are dealing in the market. In addition to this, DBMR has prepared business model that will help the client to identify the scope of expansion of the business in the market. Furthermore, the various driving, restraining factors that influence the market trends were mentioned in the report that has given the client the better insights of the market to expand their footprint globally.



## Outcome

Data Bridge Market Research was able to provide the client better insights of the RIS market by analyzing the RIS market size, providing the competitive landscape and details of the segmentation so that the client could make expansion and details of the market across the region. Furthermore, Data collection and base year analysis was done using data collection modules with large sample sizes. The market data is analyzed and estimated using market statistical and coherent models. Also market share analysis and key trend analysis are the major success factors in the market report. Data Bridge Market Research provided the client with actionable intelligence against its major competitors and changing market dynamics which helped them to analyze the company's growth changes in terms of penetration, technology and future endeavors enabling the client to make business strategies.



## Conclusion:

Data Bridge Market Research was able to provide in-depth qualitative as well as quantitative market analysis with the help of market research methodology, AI driven analytical tools and technologies. All parameters required by the client were included in the research study that has provided the client with actionable intelligence against its major competitors and changing market dynamics. Furthermore, the client was able to make a strategic decision with regards to new technology, challenges and current market trends in the business which helps in analyzing the business growth in the nearby future.