SYAC has established itself as the most important company in software application development for the public and private health sector in Colombia, providing doctors with applications developed with cutting-edge technology tools and allowing them to solve their needs in an agile, efficient and timely manner.

Patient care is the core purpose of our clinics and hospitals. For this reason, it is very important to provide physicians with alternatives that enable them to find, review, and analyze complete patient information to make the right decisions in the shortest time possible. This will ensure excellent care and an appropriate treatment for a patient's illness.

**Customer Spotlight**

*Open Inventor® Medical Edition*

Open Inventor® Medical Edition is a leading platform for developers of all types of medical software, for cloud, desktop and mobile environments: 2D and 3D imaging, PACS, image processing and analysis, diagnosis and surgical planning, device modeling and 3D printing, simulation and training. The Open Inventor object-oriented API is designed to quickly integrate powerful new visualization and analysis capabilities into software applications in a simple and consistent way.

*SYAC* Systems and Consulting of Colombia S.A. is a company dedicated to the development and implementation of information systems, through a comprehensive process certified on international standards, under ISO 9001 version 2008, which includes consulting, implementation (training and commissioning) and support (post-implementation services), structured to ensure increased productivity and reduced operating costs to its customers, ensuring their complete satisfaction.

*www.syac.net.co*
An essential element is PACS, which is the management of diagnostic images that facilitate analysis of a case to determine accurate diagnosis for a patient. However, in many cases PACS operates with specific applications delivered by proprietary providers. This lack of cohesion does not facilitate the integration of information from PACS with the patient's clinical history. This problem forces doctors to perform additional processes to analyze and incorporate diagnostic images into medical records.

SYAC S.A. goal was to develop tools within the solution called Dinámica Gerencial Hospitalaria, that allow healthcare professionals to evaluate with great precision and powerful tools, 2D or 3D images that are stored in the PACS, regardless of the PACS supplier - within the same clinical history. By developing this very powerful and easy-to-use display, professionals will be able to work directly on the same image, move 3D volumes, perform three-dimensional image cuts, magnify specific segments, perform annotations and traces on the same image, handle different scales of colors and contrasts, among other features; leveraging the strengths and standardization of DICOM images.

After an extensive analysis, SYAC found in Open Inventor, a tool that met all our expectations, which included 2D to 3D creation, annotation, volume rendering and the ability to transport a 3D image via HTML to any type of device. Beyond the tool, SYAC found a professional, experienced and committed team of people that facilitated a very good partnership, which enabled us to develop our project quickly achieving the expected results.

By using Open Inventor in the development of our Dinámica Gerencial Hospitalaria software, we are the only company in Colombia that has accomplished these advances. Furthermore, customers who have tested the new product are finding an additional advantage in the use of our applications towards the benefit of the patient.

The year 2016 will be the period when we deliver the developed solution to all of our clients, and in conjunction with other projects, this will empower us to continue to be the company with the greatest technological development in the health sector in Colombia.

† Project workflow of the web-based HIS by SYAC.