Antari®

PROFESSIONAL CARE

gmv®
INNOVATING SOLUTIONS

GMV / Digital Healthcare

Antari is a clinical assistance solution to take care of health of people in a multidisciplinary and non-face-to-face way.

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Our Health portfolio

GMV shares the objective established by the United Nations in SDG 3: Guarantee a healthy life and promote well-being for all at all ages. To do this, it makes digital health solutions and services available to doctors and health professionals developed in collaboration with hospitals, health research institutes, universities, pharmaceutical laboratories and patients.

Its digital health portfolio includes non-contact clinical assistance solutions for patients and professionals; exploitation of clinical and epidemiological data and obtaining of evidence; developments for surgical planning and navigation and services to guarantee the security and privacy of health data information.

GMV is a technology group with an international presence that, since 2004, has been present in the health sector. The first product that was released to the market was the surgical simulator to help train specialists in minimally invasive surgery. For its development, the knowledge and experience in simulation of its aerospace division, which was then a world leader, was transferred.
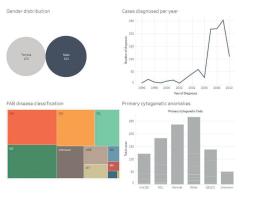
In a sector crowded by legacy and closed solutions, we have focused on delivering flexible products that can be integrated with ease and focusing on client demands, reliability, security and customization.

Antari Professional eHealth platform for telemedicine. It is currently used as a **groundbreaking** tool in-school telemedicine **pediatrics** service or ophthalmology services.

Antari Homecare, medical platform to personalize treatments based on clinical evidence through continuous.

Knowledge from heterogeneous data using AI to improve diagnosis, decision-making and personalize treatments.

Radiance World's first and only Intraoperative Radiation Therapy (**IORT**) planning system.

- CMMI (Capability Maturity Model Integrated)
- UNE-EN ISO 9001:2015 Quality Management
- UNE-ISO/IEC 20000-1:2011 TIC Services Management
- ISO 13485:2003 Quality Management Systems of Medical Devices
- UNE-EN ISO14001:2004 Environmental management systems
- UNE-ISO/IEC 27001:2014 Information security management systems
- ISO 22301:2012 Business continuity management systems. Resiliency
- UNE 166002:2014 R&D&i management

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Integrated medical care wherever required

Antari Professional is an innovative clinical assistance solution that allows health care organizations to manage and coordinate non-face-to-face multidisciplinary care for patients. With a reliable and safe design, it allows remote clinical diagnostic combining video conference, real-time and asynchronous teleconsultation, a standardized electronic health record and advanced healthcare planning capabilities. Also offers the ability to perform a high-quality tele-auscultation which facilitates remote diagnosis by specialists.

Antari Professional with planned and urgent attention capacity, allows to carry out medical teleconsultations adapted to different scenarios(patient-doctor, doctor-specialist, patient-specialist, second medical opinion, etc.). Consultations reproduce the conditions and functionalities of a face-to-face session. In this way, it is possible to achieve a reliable diagnosis by reducing patient travelling and allowing medical professionals to be more efficient in relation to the number of consultations.

The videoconferencing system allows incorporating video coming from medical equipment in real time, capturing medical images and use numerous support tools (chat, whiteboard, desktop sharing).

The Antari user interface is simple and intuitive, and a high level of computer skills is not necessary. As it is a web development, only a computer with a browser is required for its implementation.

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Flexible

- Advanced support tools
- Simple and intuitive interface
- Configurable functionality and appearance
- Adaptive web design (iOS, Android)
- lexible installation (cloud or CPD)
- Support for any medical equipment
- 100% Web solution. No SW installation needed
- Open architecture
- Security by design

Strengths

- Health Planning fully configurable
- Different portals per role: Professional, Patients, Planning
- Appointment management
- implified Patient management
- Customizable Clinical reports
- Electronic Health Record
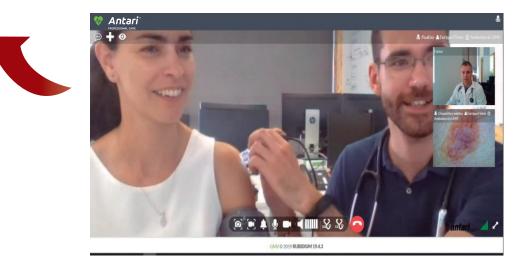- On-site consultations and teleconsultation

Tele-Consultations

Medical grade tele-consultations have very stringent requirements: low bandwidth, high resiliency to network fluctuations, an intuitive and customizable user interface and the ability to integrate clinical tools or to incorporate image/video from medical devices.

An in-depth technical analysis of how different videoconferencing solutions were able to handle difficult network conditions like high latency, packet loss, jitter (all conditions for reliable real-time communications) was performed. We realized that to provide a robust product able to operate in all conditions a new conferencing tool had to be developed. Using at the core the communications standard WebRTC, **Antari Professional´s** conferencing tool is more resilient to network fluctuations than established solutions like Skype, Webex, etc. It provides an advanced and adaptable Traffic Control system that adjusts the required bandwidth to the conditions of the network. A conference will be able to run even if the bandwidth is as low as 40kbps.

Being totally integrated into **Antari Professional**, users require only a Web browser to operate and a network connection of 125kbps to maintain an acceptable level of video quality.

Being security and privacy key factors, all communications are encrypted: signaling channels (HTTPS, DTLS) as well as data channels and all video and audio traffic (DTLS+SRTP).

Medical Devices

Antari Professional can operate with any medical device that provides a video output or a Software to visualize the medical data. Medical devices that rely on its own Software to visualize data can also be used through the sharing capabilities of the platform.

Professional Portal

Appointment management. Remote or on-site can be easily created in a matter of seconds. On the background the best suitable slot is allocated automatically.
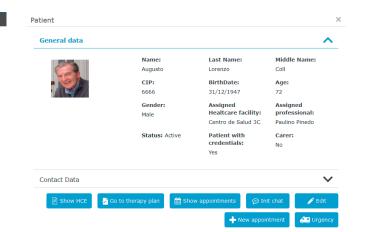
Patient management. Accessible through several locations, patient information is presented in a clear way.

Electronic Health Record. An easy to use EHR that can exchange information with other systems thanks to the multiple connectors.
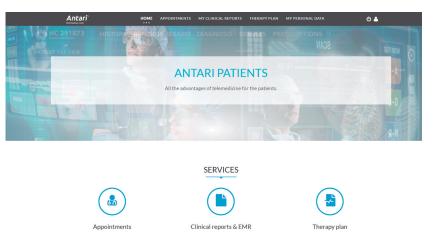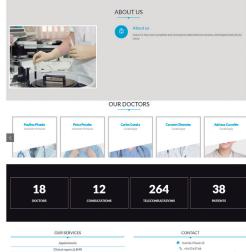
Clinical reports:

■ Integrated into the conferencing tool and the EHR

■ Customization according to client needs

■ Secure management of signatures and versions

Patient Portal

■ Tailored home window

■ Patient appointment management

■ Personal data management

■ Access to clinical reports and EHR

■ Tele-consultations from home

■ Available for iOS and Android

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