

## Healthcare digital transformation-There is no other option

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### Abstract

Always, there is a lack of resources on healthcare. That became dramatic when a critical situation, like COVID pandemic, knocks. The good news is that there are available technological and organization tools to help. We are talking about digital transformation. The human body only has one unified communications system, the nervous system, to send information to our brain. It sends any type of information, what we see, touch, feel, etc. After all the data available has been processed, it sends instructions to any part of the body to act.

Similarly, new IP converging networks using IP protocols allow only one wire and wireless network to be implemented to transmit voice, data, video, and control signals from anywhere in the hospital and anywhere a patient is to the data center. After it is analyzed and processed, the information is sent to the person who can make the right decisions. Digital broadband infrastructures also allow critical resources to be shared between distanced hospitals and Tele assistance (e-health) to be implemented at homes. The digital hospital is where a patient is. No more walls. Digital solutions and tools not only optimize investment but also reduce the on-going cost of ICT infrastructures (hard \$). However, what's more, important is that it allows productivity and the efficiency of all hospital and healthcare systems procedures (soft \$) to be continuously improved. The implementation of unified communications and collaboration (UC2) tools in healthcare means introducing new methods of communication as an additional element in the workflow of hospital procedures to make them more efficient, i.e. the task is performed properly and successfully without wasting time or energy, reducing late deliveries and the human error introduced by manual or poorly automated procedures.

Highly talented human resources, doctors, and nurses are scarce and very expensive; therefore, any digital tool that can help them be more efficient is essential. Implementing digital transformation in healthcare is simply indispensable. There is no other option, for both, developed or developing countries. How can it be done? Do and don'ts- Which are the best practices and lessons learned?



### Biography:

Agustin is telecom engineer and professor of leadership at Lleida University. He is an author of Analyze, Act, Advance, a book about how to build a virtuous cycle of hope, innovation, renewal and continuous improvement. Principal consultant of Argelich Networks an independent digital technology and management consultancy boutique. He founded it after the Barcelona'92 Olympic Games, when he was one of the youngest project leaders as Technological Director of the IX Paralympic Games. For 30 years he has been leading significant digital technology projects for business and for public organizations. He is an expert in unified communications and collaboration, proud member, past Vice President, of the Society of Communications Technologies Consultants International. He is a recognized international speaker. Before Olympics, Heworked as Telecom Manager in Asco Nuclear Power Plant and served as Lieutenant in Spanish Air Force.



### Speaker Publications:

1. Analyze, Act, Advance: Reflections and cutting-edge strategies to build in your life, your family, your organization, and your community a virtuous cycle of hope, innovation, renewal and continuous improvement.
2. IP converging networks essential in Healthcare. International Federation of Hospital engineering Digest 2011.

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