

u2i took up the challenge to help advance cardiac technology to provide the best patient care

We built an ECG Analysis platform to advance cardiac data acquisition, analysis, and reporting with gamechanging technology that saves time, saves effort, and most importantly, saves lives.

u2i initially joined as a group of 3 cloud consultants

to assist with the strategy for the customer to navigate through the first prototyping phase of the project

We started with gaining knowledge in the HL7 standard and Epic EMR integration using it to rapidly prototype and test the client's product hypothesis. During this phase, our expertise in AWS connected with an understanding of the scope of the business plan helped us to convince the stakeholders that the isolated and multi-tenant cloud-based solutions would be the most cost-effective and easiest to operate as opposed to multiple, custom, on-premise deployments and that the cloud not only opens new possibilities but also can be used in a secure manner.

within 2 years of cooperation, we scaled to 11 (including an Agile consultant)

in order to respond to growing business needs

of leading the whole platform development

We managed to develop a fully functional, cloud-based system that included a SPA with ECG reading tools capable of displaying the electrocardiogram waveform using WebGL, orchestration services for background processing, storage infrastructure, IoT ECG device provisioning, and integration, and an API Gateway capable of performing complex authentication strategies. We then integrated our platform with Epic's EMR solution using the HL7 communication interface and provided an SSO solution for the whole system, acting as a unified authentication hub. Our team was able to use its experience in building and operating large-scale systems, while at the same time staying flexible enough to evaluate and incorporate new technologies into a cohesive and agile environment. This phase took us to pre-FDA approval.

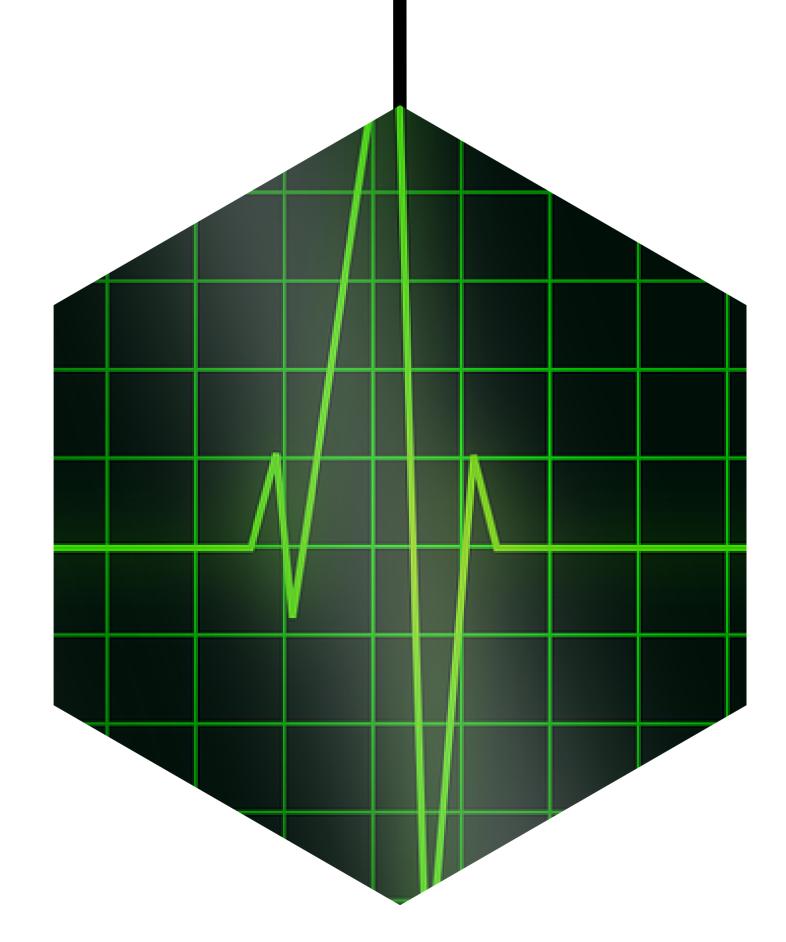
the whole team became co-creators of the platform learning the business requirements and translating them into the initial design, groundwork and prototypes, communicating and negotiating with the stakeholders and other teams, and taking the responsibility

The evolution of a platform demands adaptability, not just in the technology, but also in the roles we play in its developmental success. Not only did we establish a high-performing, business-oriented team focused on delivering business value but we were also working in true partnership with the entire business.

u2i team became the main point of contact for the Customer's partners in all technical aspects

we took responsibility for product ownership, negotiating the scope, planning the timelines, and advising the customer

We advised on some important business decisions such as estimating the costs of operations or pricing models, designing the UX, and clarifying the project vision for other technical teams involved in the development. That kind of flexibility is critical to be able to adapt to ever-changing business environments. u2i proved to be the partner for maximizing value and accelerating competitive advantage.



ECG data is now collected and correlated with external patient records which enables a holistic approach to predictive diagnosis to save more lives than the limited scope of existing diagnosis methods.

intent

our aim is to be with you for the long term, even if we start with a short-term project

trial

we won't tie you up, try us for a month

transparency

we push back to help solve the challenges all projects create

