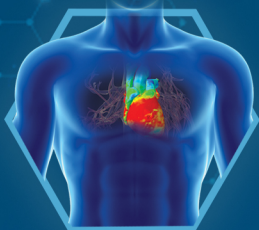




THE LIVING HEART PROJECT

With technology innovation comes improved ways to combat life-threatening diseases such as heart disease.

Born from the same technology that is used to transform the aviation and automotive industries, The Living Heart Project, with the partnership of the FDA, is transforming how life-saving therapeutic solutions and medical devices come to improve patient care.



Project Kicks off with novel crowdsourcing model that features 13 member organizations that grows to more than 100 cardiovascular specialists across research and industry and clinical practice.

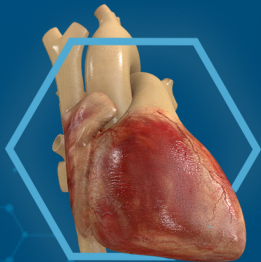
2014

3DS Launches the Living Heart Project, the first 3D simulated real life heart.

Forms 5-year research partnership with the FDA; to target the development of testing paradigms of the insertion, placement and performance of pacemakers leads and other cardiovascular devices to treat heart disease.

2015

1st ever commercial complete
3D human heart simulator
released to public.



2016

Blood flow is simulated in
the beating living heart. The
platform is extended to
simulate medical treatments
of the brain.

Bernard Charles, CEO and
vice chairman of the board
of directors of Dassault
Systèmes, gives the keynote
at the 4th Annual FDA
Scientific Computing Day
in October.

2017

The Living Heart is available on
the cloud, able to scale up
virtual testing securely and
collaboratively. For the 1st time,
organizations of all sizes have
immediate access to world class
digital design & testing tools in
support of the 21st Century
Cures Act. Project wins 3
HPC awards.





2018

The Living Heart extended to predict the safety of drugs prone to cause arrhythmias. The Living Heart Project gains worldwide momentum with users across 24 countries and used in “Workforce of the Future”, STEM and American Heart Association events.

2019

Dassault Systèmes and the FDA extend collaboration for another 5 years; will evaluate use of the Living Heart for in silico clinical trial and as a source of digital evidence for cardiovascular device approval.



As of today, 130 organizations in 24 countries are registered members of the Living Heart Project.

Dassault Systèmes is committed to enabling new science and innovation. ½ of the Living Heart Project members are research oriented and ½ commercially oriented, demonstrating a sustainable way to both support research innovation and translate it to life-saving commercial practice, using the 3DEXPERIENCE platform.

