



# AMPS Fact Sheet

## Company Overview

AMPS is a leading edge software company providing software solutions for the display and analysis of ECG traces and blood pressure monitoring. Originally focused on the needs of Clinical Research Organizations and Pharmaceutical corporations in the context of clinical trials for new drugs, AMPS has expanded into the medical world with a set of tools for the healthcare. AMPS has been investing for the last 20 years more than 50% of its annual revenues in R&D activities, and is nowadays the leader in its industry. By a conservative estimate more than 50% of the ecgs submitted for review to the FDA in the context of clinical trials each year are processed using AMPS tools.

## Founded

AMPS was created by Dr. Fabio Badilini FACC in 1999, after several years spent in the academic and research environment working closely with cardiologists both in the United States and in Europe. The AMPS brand stands for "Analyzing Medical Parameters for Solutions".

## Mission

Through sharing and understanding client requirements and expectations, AMPS designs and provides ad-hoc state of the art technology, clinical expertise, and statistical support in quantitative ECG analysis.

## Vision

Turn the science we develop into technology and continuously re-invest in research activities the majority of the profit gained in the process, thus providing our customers with the best possible tools and support in the most cost-effective way.

## Software Solutions

### *Clinical Trials and Research:*

- CalECG                      On-screen automated measurements
- FAT-QT                      Fully automated T-QT studies
- TrialPerfect                Back-end trial database management
- FDAecg Suite              Processing of xml FDA HL7 ecg files.
- CER-S                      Processing of Holter recordings
- Antares                     Snapshots extractor from Holter recordings
- WinAtrec                    Advanced analysis of Holter recordings

### Healthcare:

- ViewEcg Display of ecg traces in any format
- ECGSolve Ecg format converter, pdf reports generator
- CloudCor Web ecg analysis
- HeartScope Advanced analysis of cardiovascular signals
- CER-S 510K-CE Analysis of continuous ecg recordings 1 to 12 channels, up to 30 days

### Services

- Conversion of ecg paper traces into digital waveforms
- Ecg file format conversion (any to any)
- FDA HL7 aEcg format verification and FDA submission
- Secondary analysis of halted studies due to drug-induced modifications
- Tele-Cardiology

### Patents

*June 2003:* Apparatus and method for reading and analyzing ECG images.

*November 2007:* Method and apparatus for extracting optimum holter ECG readings

*September 2008:* Method and system for converting paper ECG printouts to digital ECG files.

### Publications

*2009-2019:* AMPS-QT, a quarterly journal covering all aspects of methodology and software technology related to clinical trials and Thorough QT studies.

*Since 2021:* TAI: The AMPS Insider, a quarterly journal dedicated to all the customers of AMPS, providing updates on the products to the organizations involved in the world of cardiac safety.

### Milestones

- 1998** Definition of the ISHNE Format for continuous recording
- 2003** Definition of the aECG XML Format for the FDA
- 2003** Dr Fabio Badilini receives the FDA Commissioner's Special Citation
- 2009** Dr Fabio Badilini receives the Honorary Fellowship Award of the American College of Cardiology
- 2011** Bravo algorithm announcement
- 2013** Definition of the aECG XML Continuous recording Format for the FDA
- 2015** Abile algorithm announcement
- 2020** CE and 510K CER-S Certification

### Selected Customers

#### *Pharmaceutical Companies*

AbbVie	Array BioPharma
Johnson & Johnson	HUYA Bioscience International
Roche	Rain Therapeutics
Gilead	AstraZeneca

Khondrion BV  
Pfizer  
Bayer Yakuhin  
Sanofi-Aventis  
*CROs*  
Clario (ERT, Bioclinica)  
Cardio Analytics  
Celerion

Medpace  
Norav Medical

HeartCor Solutions  
IQVIA  
BioTel Research (Cardiocore)  
Banook Group  
Vitalograph

*Manufacturers*

General Electric  
VivaLNK  
Cardioline SpA  
STMicroelectronics  
Global Instrumentation

Philips  
Schiller  
Rozinn Electronics  
DMS Services  
Cortrium

*Healthcare*

Bioserenity  
Glanum Healthcare  
MedicZone  
Hôpital La Pitié-Salpêtrière  
Keski-Suomen Hospital  
Fondazione Salvatore Maugeri  
CardioScan

CSAM Sweden  
Acetiam MNH Group  
Danish National Hospital  
Versa Cardio  
Bordeaux CHU, France  
Humanitas Istituto Clinico, Italy  
VersaCardio

*Academia, Research, and Non Profit*

US Food and Drugs Administration  
Championship Hearts Foundation  
Harvard University  
Heart Research Follow-Up  
Program, University of Rochester  
Imperial College London  
Maastricht University  
Mayo Clinic  
Parkinson's Institute

The Telemetric and Holter ECG  
Warehouse (THEW)  
Ulster University  
Universidade Rio de Janeiro - UERJ  
University of California  
University of Utah  
Utrecht University  
Stanford University  
School of Medicine Duke University

**Operations** United States, Europe

**Headquarters** R&D, Services: Montichiari (BS), Italy  
Finance, Legal: New York, NY, USA  
Marketing and Sales: Paris, France

**Management** Fabio Badilini, President and Chief Scientist  
Daniel Bovio, SVP Contracts, Marketing and Sales

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