



Avoiding loss of life in medical emergencies

through improved communication systems

PROBLEM

Cardiovascular diseases (CVD) represent a major economic burden on health care systems and are the leading causes of global mortality. This can be significantly reduced with timely access to the proper treatment!

SOLUTION

STEMI saves lives and improves patient outcomes through early symptom detection and improved communication across healthcare teams. Our award-winning communication platform STEMI EMS for healthcare professionals is reducing the time to treatment as well as optimizing the cost of hospital care. Coupled with STEMI HERO, the AI powered self-diagnostics App for patients at risk of heart attack and stroke, STEMI will gain a cutting edge against its competitors.

MARKET

Total Addressable Market (TAM): Estimated at 4 billion €
Current traction:

- 60 hospitals
- 330 ambulances
- Collaboration with the Slovak Republic Ministry of Health
- 10+ international pilots in the pipeline.

The company is post revenue (€400K/2020) with expected 150% annual growth reaching €100M at 60% profitability by 2027. Our annual subscription-based model is typically executed via multiyear contracts.

COMPETITION

STEMI's experience with nation-wide implementation backed up by clinical studies sets us apart from competitors such as Pulsara (US), Twiage (US) or Allm (JP). Our products are trademarked and copyrighted.

TEAM

Initially founded in 2017 by ass. prof. Martin Studenčan, MD, PhD., FESC, a leading authority in the field of interventional cardiology, STEMI's team has a strong passion for healthcare disruption and more than 70 years of combined experience.

ASK

Seed Investment: 1.2 M €

(STEMI HERO development, expansion, marketing, trials completion)

Series A: 2024

Exit: 2027 via acquisition



Did you know that approximately a third of emergency fatalities are from heart attack or stroke?

Most could be avoided by providing faster access to the proper treatment!

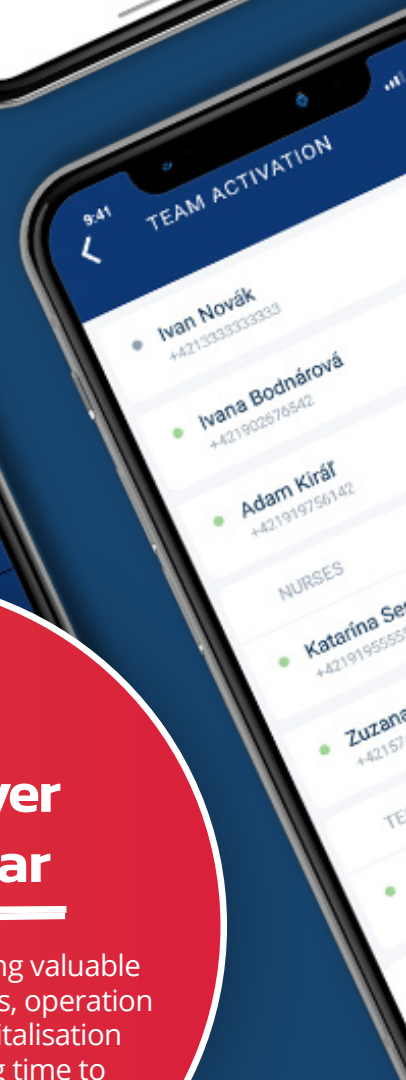
COMMUNICATION BARRIERS AMONG PARAMEDICS, DOCTORS AND HOSPITAL STAFF RESULT IN UNNECESSARY TIME DELAYS WITH DEVASTATING CONSEQUENCES:

Continuous tissue damage to patients increases their mortality, leaves survivors with health care complications, and increases costs for hospitals and medical services.

STEMI EMS reduces the chance of immediate death to less than HALF!

This communication system improves coordination among paramedics on the scene, doctors, and their teams in the hospital. It enables:

- Doctors to diagnose the patient when the paramedic first arrives on the scene
- Optimal decision making with respect to the treatment and immediate transportation of the patient
- GDPR compliant transmission of data to the entire medical team (avoiding errors due to miscommunication)
- Readiness of the medical intervention team for exact arrival time of the patient
- 🕒 **LAUNCHED IN 2017, STEMI EMS CURRENTLY HANDLES OVER 10 000 CONSULTATIONS A YEAR. IT TYPICALLY CUTS DELAYS FOR HEART ATTACK OR STROKE PATIENTS BY ONE HOUR.**



**We save
a hospital over
500K€ a year**

Savings are made by: Improving valuable resource usage (doctors, nurses, operation theatre, etc.); Reducing hospitalisation time for the patients (saving time to treatment = fewer complications for the patient = faster recovery time)



93%

SAM: 80 000 hospitals globally of which less than 7% have a comparable solution

OUR EXPECTATION...

We expect that integrated mobile solutions such as STEMI will replace most if not all existing outdated telemetry solutions completely within the next 5 – 10 years. Hospitals that previously did not have any solution in place will need one to meet treatment guidelines imposed on them by insurers or regulatory bodies.

TARGET CUSTOMERS

Hospitals, EMS Companies, Insurance Companies, Governments, other Healthcare Stakeholders.



STEMI EMS



STEMI HERO

Companies like Pulsara (US), Twiage (US) or Allm (JP) have already received investments and are successful in their home markets.

- We are already engaging with potential customers in more than 25 countries world-wide in line with our ambition to become the most adopted integrated mobile solution for ambulances and hospitals globally.
- STEMI EMS: The only solution implemented nationwide and with a clinical study backing its results.
- STEMI HERO: Patients often wait an alarmingly long time before calling an ambulance. Our new B2C app aims to reduce this critical initial delay.
- Our software is copyrighted. Our trademarks and design are registered in EU (and pending in other markets). AI related patents will follow with the further product development.

We differentiate ourselves from the competition by providing an end-to-end solution, use of AI*, and a global ambition.

** Identification of stroke by a system of deep neural networks using computed 3D facial geometry combined with other supportive categorical markers.*

** Development of heart attack diagnostics algorithms using patients' self-assessed inputs without a need for an external device or connection to the cloud.*

Raising 1.2 mil €

**OPTIONALLY, A GOVERNMENT
CO-INVESTOR IS AVAILABLE
TO MATCH YOUR INVESTMENT**

**THIS INVESTMENT WILL
BE USED TO HELP US
REACH OUR MILESTONES
FOR 2023:**

- 2 MIL € turnover
- Complete our AI enhancements
- STEMI Hero app market ready

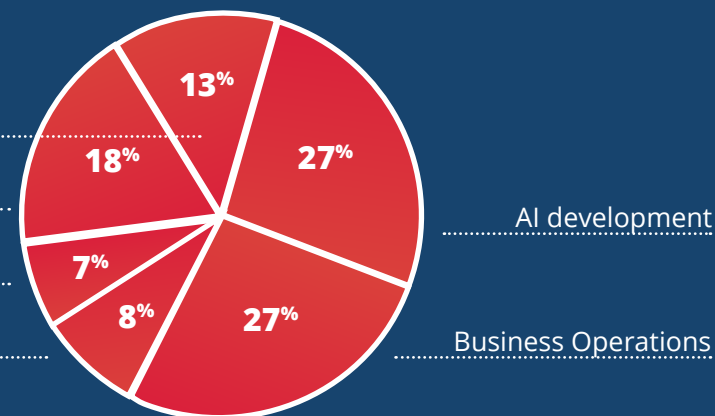
**THE MONEY WILL BE
INVESTED AS FOLLOWS:**

Legal & Regulation

Marketing & Sales

Clinical validation

Software development



Once achieved, we will move the company headquarters to Luxembourg and prepare for Series A funding – an initial exit opportunity. The funding will enable further growth and product development. In 2026/27 we will be ready for Series B funding, company sale, or an IPO.

Financial forecast

	2019	2020	Seed 2021	2022	EXIT1 - Series A (LX) 2023	2024	2025	EXIT 2 - Series B/Sale/IPO 2026	2027
Hospitals	60	60	90	162	340	782	1 800	3 779	6 803
Revenues from Sales	95 251	130 190	225 000	648 000	2 041 200	7 042 140	21 595 896	52 909 945	102 040 609
Other Revenues*	98 749	266 810	185 000	185 000	0	0	0	0	0
EBITDA	8 000	151 000	114 800	-306 509	638 947	4 225 284	12 957 538	31 745 967	61 224 365

120 000 000
100 000 000
80 000 000
60 000 000
40 000 000
20 000 000
0

Strong growth forecast for the next five years and beyond...

Our forecast shows the rapid growth in sales as we enter new markets such as Argentina, Brazil, Europe, Middle East, and USA. Once our AI enhancements are complete, we expect to significantly increase our price per hospital served.

ALL REVENUES  EBITDA 

* Revenues from Grants & Other Income



Introducing the Team Behind STEMI Global

STEMI Global has a strong team spirit and a burning desire to see our products and services eliminating avoidable deaths in acute medical situations.

Key members: ass. prof. Martin Studenčan, MD, PhD., FESC: Founder and advisor, a leading invasive cardiac physician; Andrej Studenčan: Co-founder, 10 years' experience in Healthcare, IT and Finance. Andrej Vargecko: CEO, previously grew a company from 30 mil to 170 mil turnover; Ron Engelberg: BDM, worked in Israel, USA and Latin America. Took part in a successful fintech start-up exit; Peter Illes: CTO, the architect leading our team of developers and AI specialists.

Our Team's successes

As well as implementing STEMI EMS in production in 2017, enabling about 10 000 paramedic-to-physician consultations a year, saving many people's lives, and saving the health care systems that we support considerable sums of money, our work has been recognised by many. Here is a small sample of those recognitions:



To invest or to find out more...

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Check out our videos & social media

♥ Heart attack 🧠 Stroke 🏥 Trauma

