



MILESTONES

- Founded, Dec 2022
- IP is based on research by TLV University and Sheba Medical Center.
- \$1M grant from the Israel Innovation Authority and G.O. Innovation incubator.
- Excellent POC demonstrated in rodents.

FOUNDING TEAM

Ben M. Maoz, PhD
 CTO and Co Founder
 Department of Biomedical Engineering, Tel Aviv University.

Amir Arami, MD
 CMO and Co Founder
 Head of Hand Surgery and Microsurgery Department, Sheba - Tel Hashomer.

Rachel Tkacz, PhD
 CEO
 Former R&D engineer and project manager in RAFAEL - Advanced Defense Systems.

CONTACT

Rachel Tkacz
 rachel.t@teng-able.com
 (m) +972-58-4600033
 www.teng-able.com

PROBLEM

- Loss of tactile sensation is a common phenomenon in patients with traumatic peripheral nerve injury (PNI) or a chronic disease.
- The loss of sensation involves a significant functional limitation and the risk of injuries.
- The conventional surgical procedures are time restricted and success rates are limited.

SOLUTION

TENGABLE develops a man-machine-interface based solution; a self-powered triboelectric nano generator (TENG) that is implanted under the skin and transforms mechanical load into electricity. The nanogenerator is connected to the nearest healthy sensory nerve and stimulates it to restore touch sensation in the patient.

MARKET

\$6.8B - Global nerve repair and regeneration market size.
\$1.3B - Global peripheral nerve injuries (PNI) market size.
250k Annually + **4M** Existing - PNI cases Relevant to our products.

COMPETITIVE ADVANTAGES

- No time frame limitation for implementation of TENGABLE's products as in current nerve repair surgical procedures.
- No limitation for nerve gap distance compared to current nerve repair solutions.
- Other solutions, such as electronic skin or smart prosthesis, are still in the research phase and are not self-powered as our products.

BUSINESS MODEL

B2B surgeons, health service providers and medical equipment manufacturers.