

# Short profile

## TSG IT Advanced Systems Ltd.

Medical field	Intensive Care, Nutrition
Product	ICU DIS - Data Intelligence System, Healthcare IT
Growth stage	Proof of Concept
Team	Gilad Sharoni (CTO), Mr. Shmuel Teppler (Project Manager and Chief Engineer), Dr. Leonid Shvartzer (Data Science Team Leader), Prof. Pierre Singer (Medical Team Leader)

### Description of product:

The Intensive Care Unit Data Intelligence System (ICU-DIS) is platform providing clinical nutrition decision support for ICU using advanced AI algorithms.

### Project goal:

We are looking for a long-term collaboration in establishing robust processes of developing, testing, validating, integrating, and certifying ICU-DIS and its features and capabilities. At the end of the current one-year pilot, we plan to validate the ICU nutrition treatment advice capability and establish the regulatory approval process and the marketing plan for the ICU-DIS platform in general.


### Project type:

The current project focuses on developing an algorithmic engine providing the ICU-DIS with the ability to improve nutrition therapy for critically ill patients, as it has been shown that energy administration based on measured energy expenditure decreases morbidity and mortality. The engine estimates resting energy expenditure (REE) and suggests optimized and personalized enteral and parenteral nutrition treatment. Estimated Project Duration: 1 year.

€  Eligible by the IIA

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