

PROJECT TITLE

F.A.S.T. “Food-intake Assistance Serotonin Test”

CLIENT

- Green Style Consulting LLC
- MODY Group, Taiwan



F.A.S.T.

CHALLENGE

Obesity: A global problem

Overweight and obesity have become the major issues that were haunting the well-being of the people and there are various causes related to this menace. This global phenomenon can be controlled, if not completely cured; partly by the Weight Management Services (a subset of the global Weight Management market) that helps the overweight/obese or (less frequently) the underweight/anorexic population to manage their BMI factor to lead to balanced life.

The push in the health reforms by various governments of the developed and developing nations in order to enhance the quality of living and to bring down the medical costs, coupled with the changing mindset of the people (preferably the urban-sedentary class) has brought this industry into the spot light, together with the potential and opportunities prevailing in this industry as a whole.

SOLUTION

F.A.S.T.

The FAST system aspires to revolutionize weight management practices by dietary consulting professionals providing an innovative biosensor able to:

- monitor the serotonin content of each individual client in response to different dietary programs (either for gaining or – more frequently - losing weight), on a continuous (even daily) basis,
- to reliably access and even predict the outcome of a personalized diet program, thus aiding the formulation of the best option for an individual client,
- to add a considerable added value to existing weight management services and associated enterprises.

RESULTS

The road to FAST commercialization

FAST prototype has been already developed and tested under realistic conditions and tested in simulated and operational scenarios, corresponding to a Technology Readiness Level (TRL) = 8. Parts of the device electronics components are scale-manufactured by dedicated subcontractors, based on proprietary designs. Even more important is the fact that FAST devices have already been exploratory-wise placed in China (MODY Group, Taiwan).

OUR TEAM

Prof. Spyridon Kintzios | Dr. Theofylaktos Apostolou | Dr. Georgia Moschopoulou