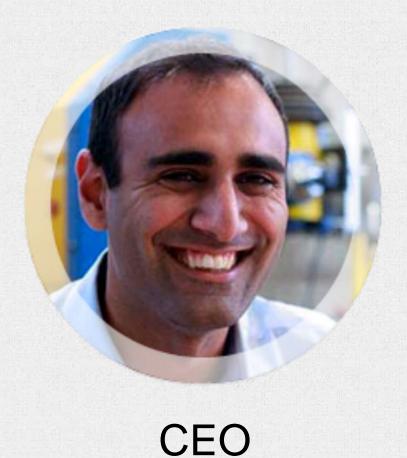


IEEE-CNSV November 4

Anupam Pathak, Ph.D., P.E. Founder and CEO

Who We Are

Anupam Pathak



Mario Gonzalez



CFO

John Redmond



Design Engineer

Michael Allen



Mechanical Engineer

Advisory Board:

Dr. Jill Ostrem (UCSF, Medical)
Dr. Kelvin Chou (UM, Medical)
Jeroen Brouwer (Philips)

Lex Bayer
Tricia Choi (Creative Director)
Gayitri Budhraja (Marketing)

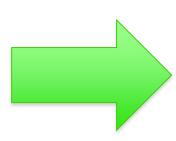


Available Treatments

Medications:

- Propranolol
- Primidone
- Topiramate and others

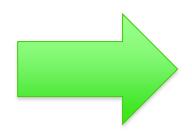
Deep Brain Stimulation



Typically reserved for severe tremor and can be associated with serious complications

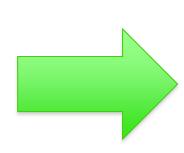
Non-pharmacologic options:

- Weighted utensils
- Tremor suppression orthoses



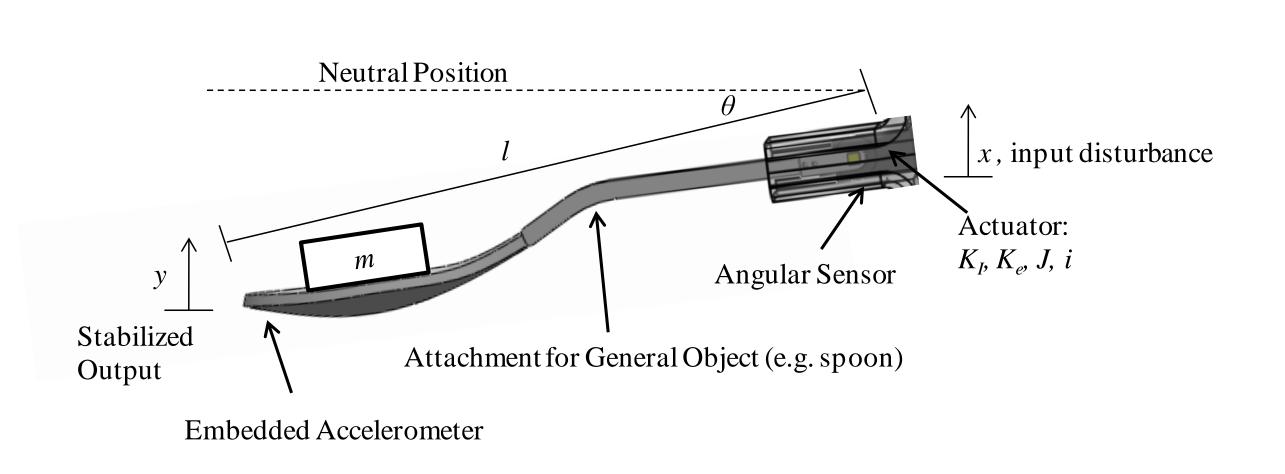
Little evidence that these are effective

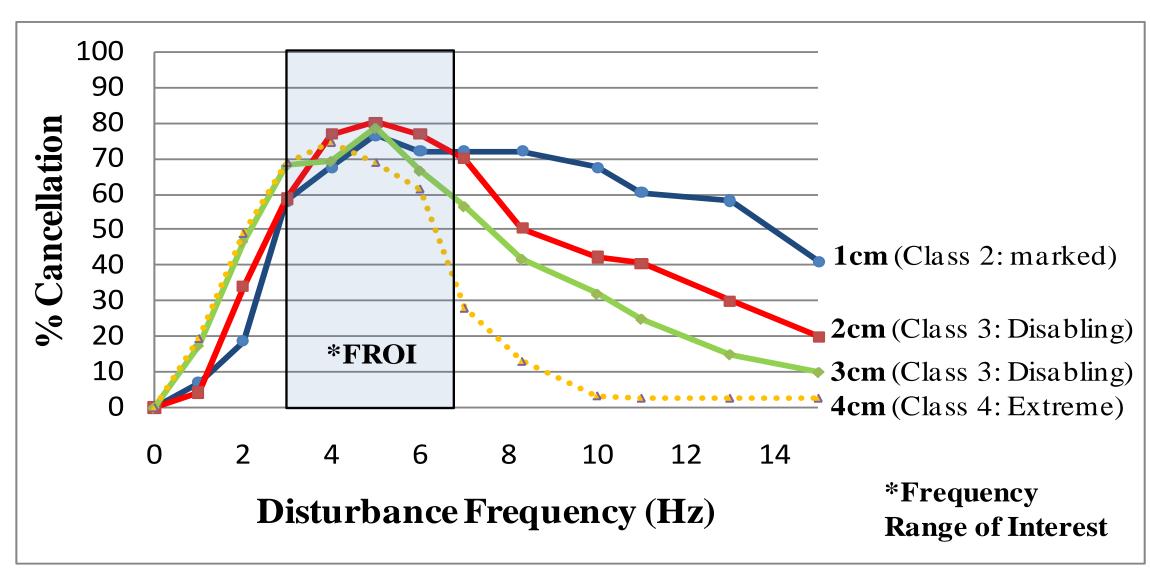
There is a need for a non-invasive assistive device to help manage tremors in individuals with ET



Vary in effectiveness and side effects

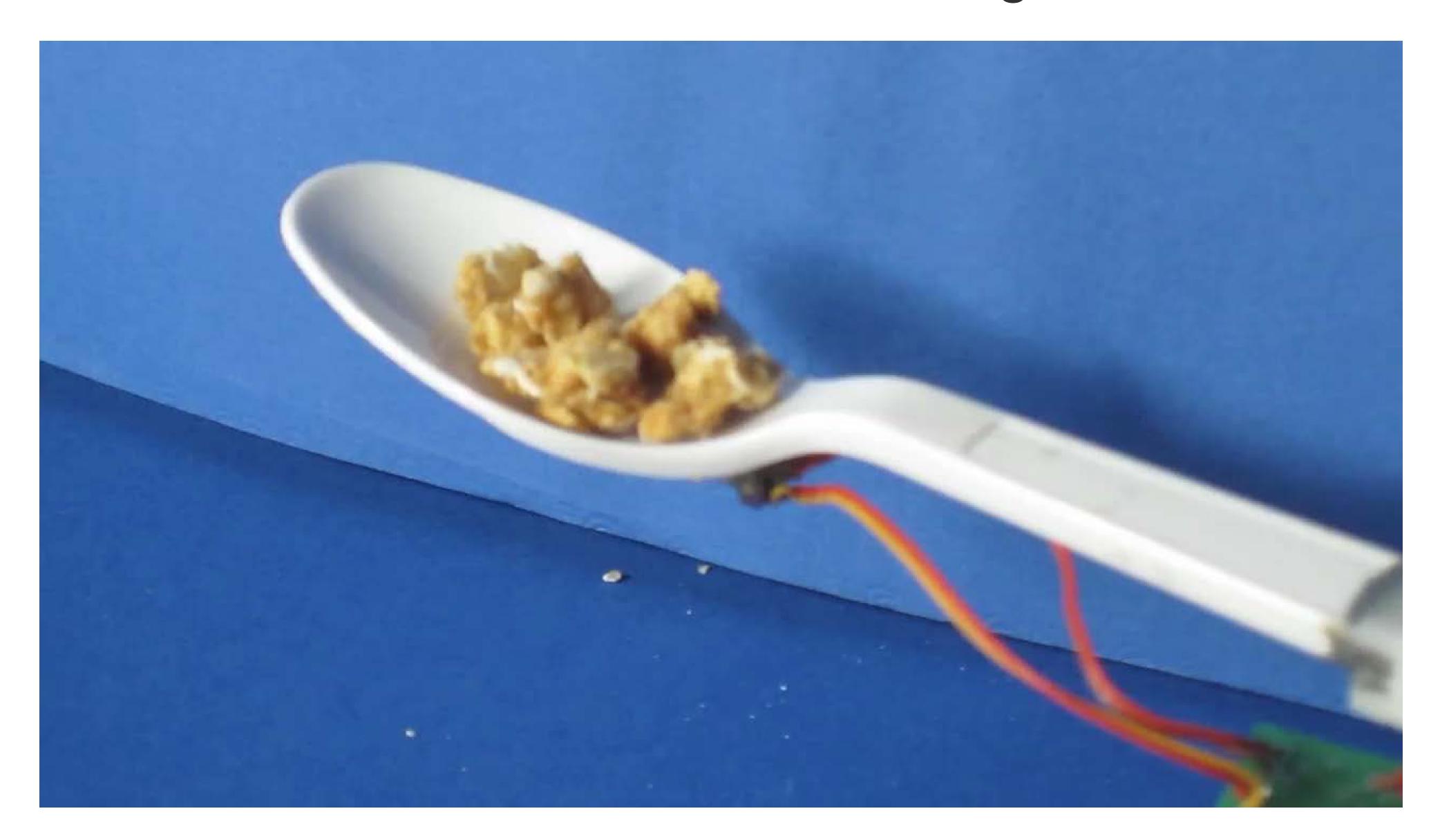
Feasibility Study of the ACT (Active Cancellation of Tremor Device)







Video of Initial Testing



Initial work was highly promising. Awarded Phase II

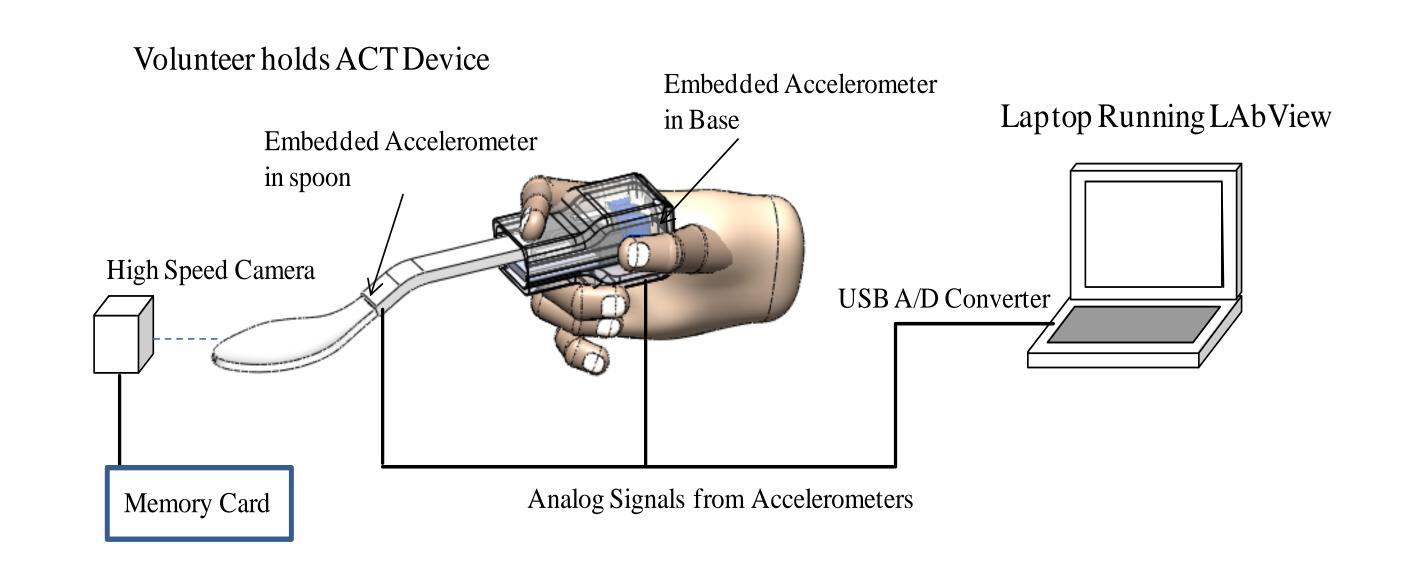
Recruited subjects who met diagnostic criteria for ET with a complaint of spilling food when eating

Performed 3 separate tasks with device, blinded to activation

- Holding
- Eating
- Transferring

Primary outcome: Improvement in tremor from baseline with device on compared to off using the Fahn-Tolosa-Marin Tremor Rating Scale

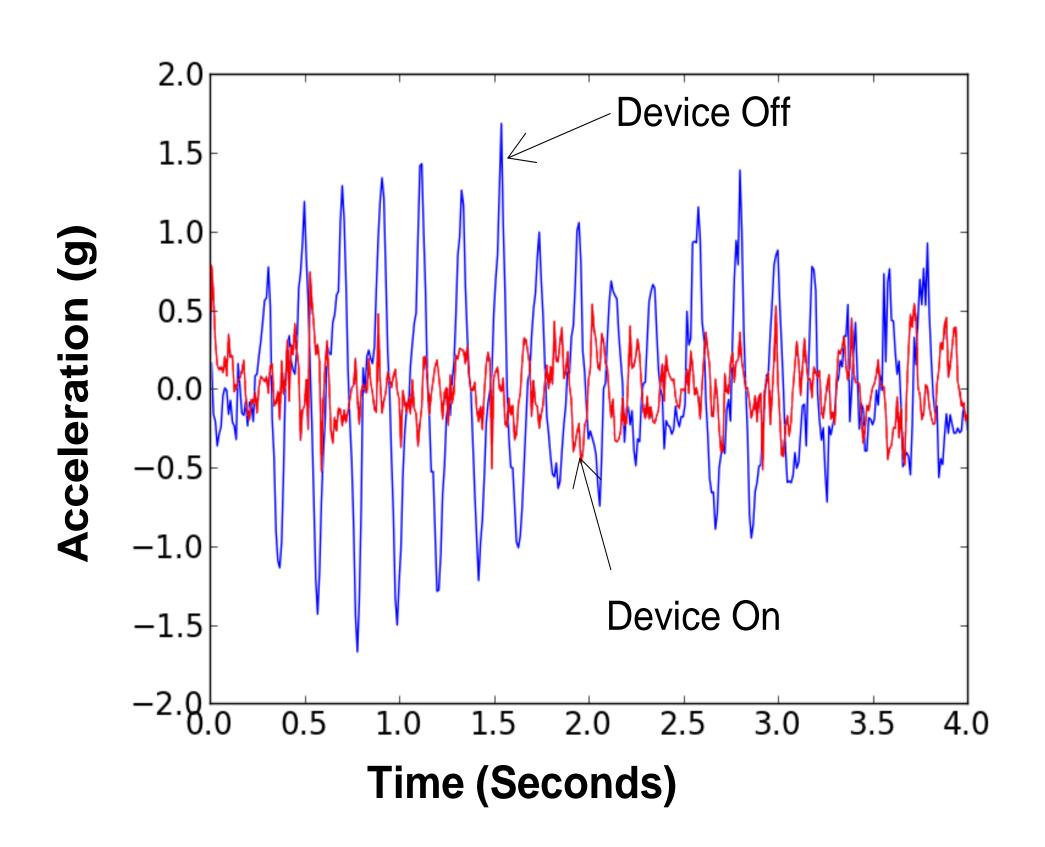
Secondary outcome: Clinical improvement rated by subject using the Clinical Global Impression Scale (CGI-S)

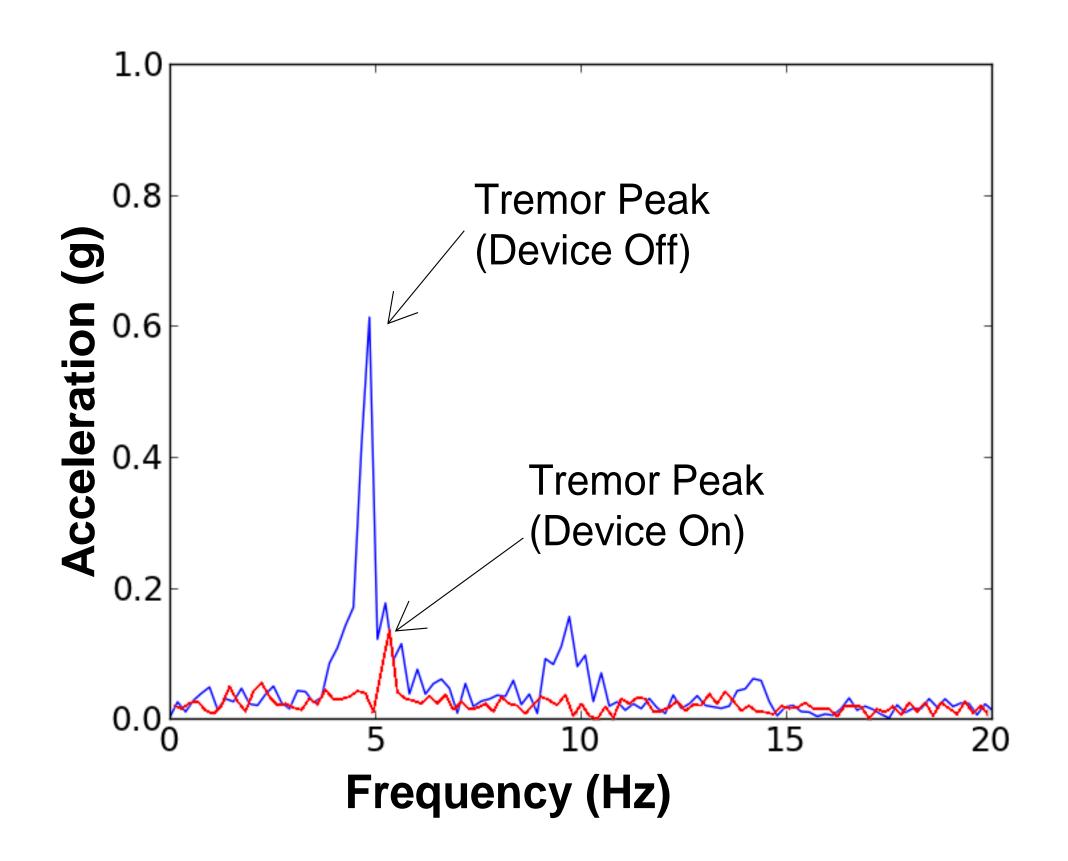


Clinical Results

N=11	ACT Off		ACT On		
	Mean	SD	Mean	SD	P value
Change in (∆TRS) in holding	0.36	0.81	1.00	0.89	0.095
Change in (∆TRS) in eating	0.00	0.45	1.18	0.98	0.003*
Change in (∆TRS) in transferring	0.27	0.65	1.18	0.75	0.006*
Holding CGI-S	3.64	0.81	3.00	1.31	0.21
Eating CGI-S	4.27	0.47	2.45	1.51	0.002*
Transferring CGI-S	3.82	1.47	2.45	1.37	0.036*

Signal Analysis



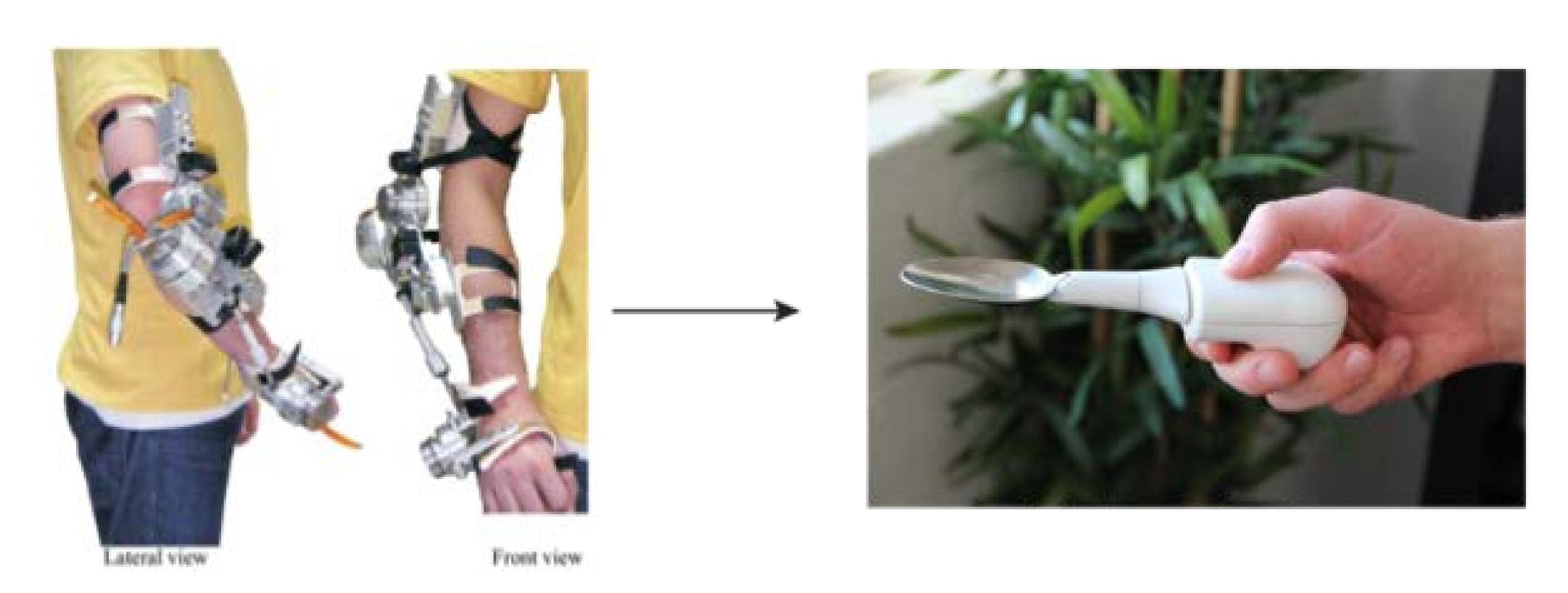


71% Cancellation - Transferring 76% Cancellation - Eating 72% Cancellation - Holding

Video of Trials

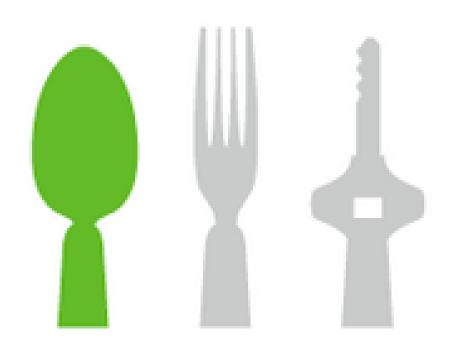


Current treatments have shortcomings. Liftware is a response to this need.



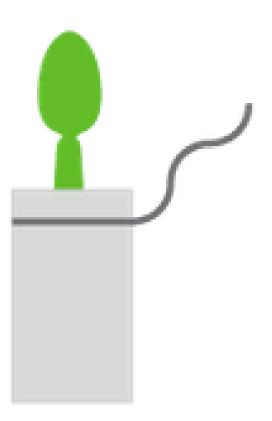
Tremor Suppression

LiftWare's Active Cancellation



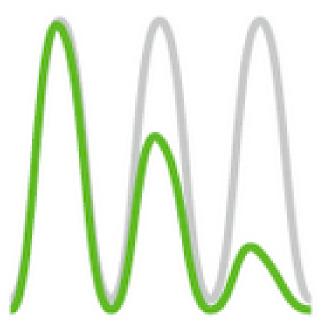
Multiple Attachments

Not just a spoon: several different attachments are coming soon.



Compact and Portable

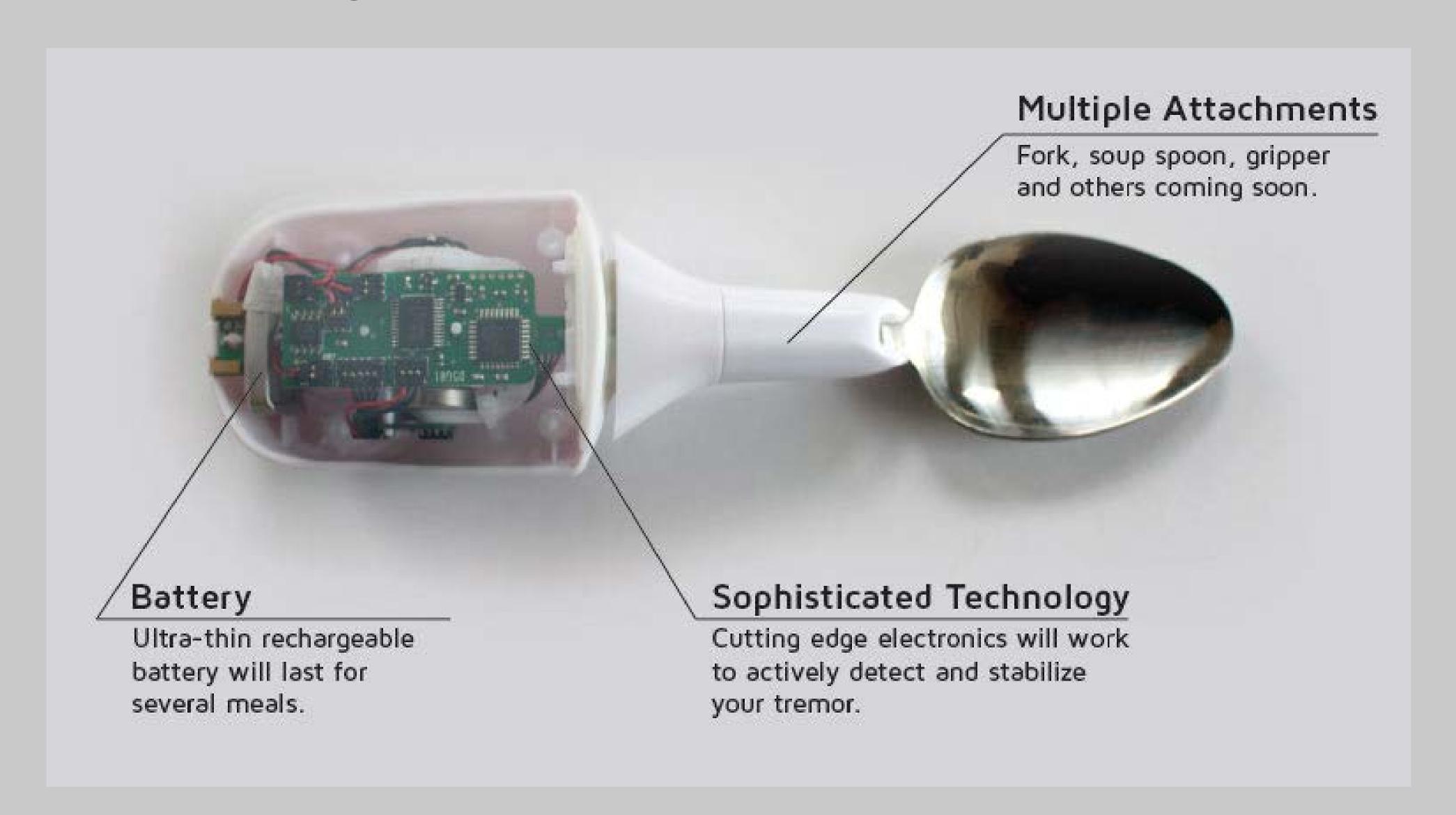
It's easy to take out to restaurants.



70% Tremor Cancellation

Over 100 different algorithms were tested over 2 years.

Engineered to Simplify Your Life



We launched our product last month, partnered with a foundation, and have had tremendous support.



Your Voice for Essential Tremor



Beta Users

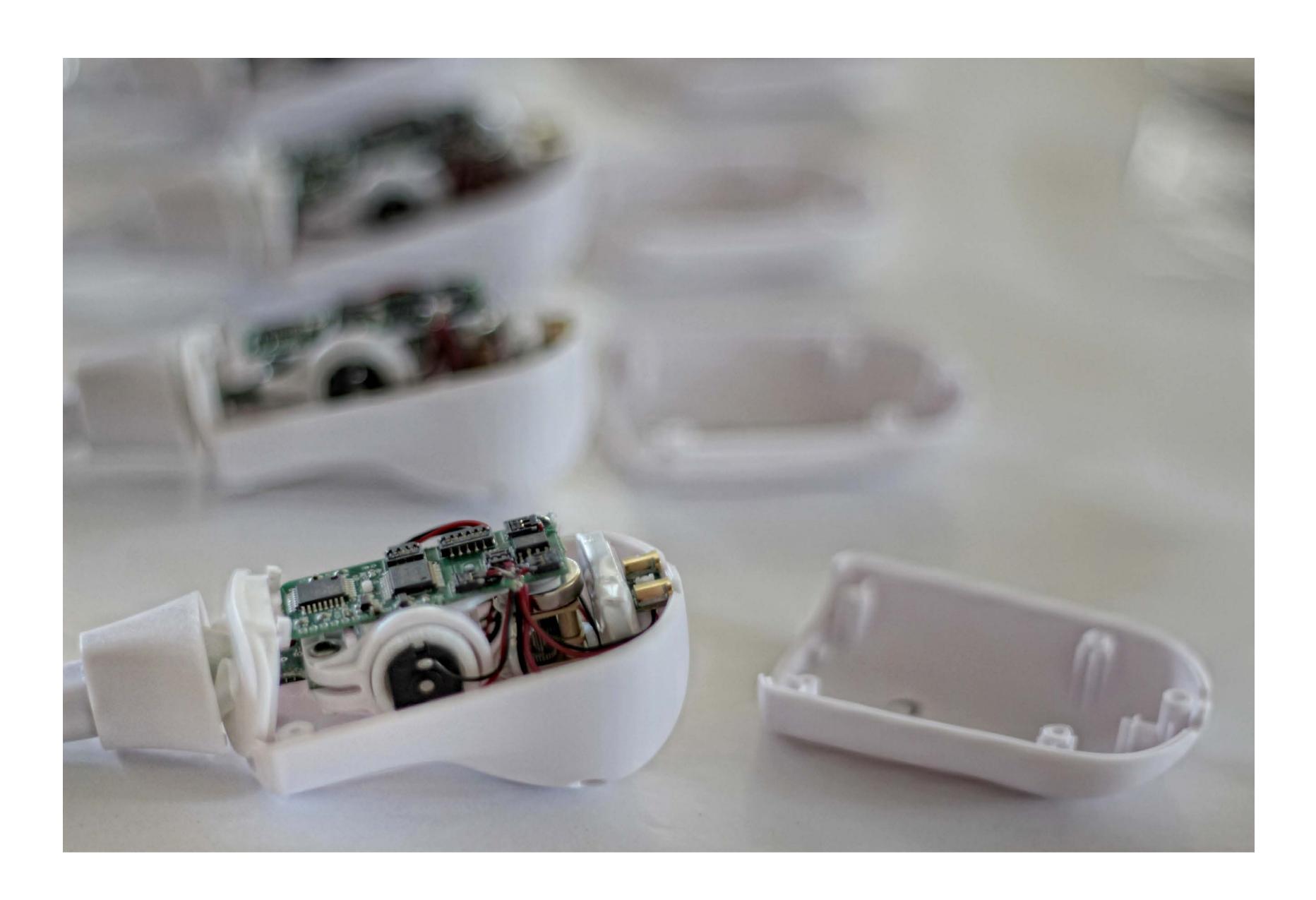
Everything is delightful ... and nearly splash-free! The Liftware spoon is changing my life...really.

Until Lift Labs, there was the disturbing prospect that a time would come when I wouldn't even be able to feed myself.



I had Chinese food yesterday and as usual with a regular spoon, it went all over unless I used two hands to hold it. Today I brought the spoon to work and am now eating my leftovers with one hand and not one piece falling all over the place. This is absolutely incredible.

Production Status



Launch Reception

International Recognition – working on distribution options for Europe and rest of the world.

Taking orders for Canada

Working with Neurologists, Occuational Therapists, and Care Homes.







etc

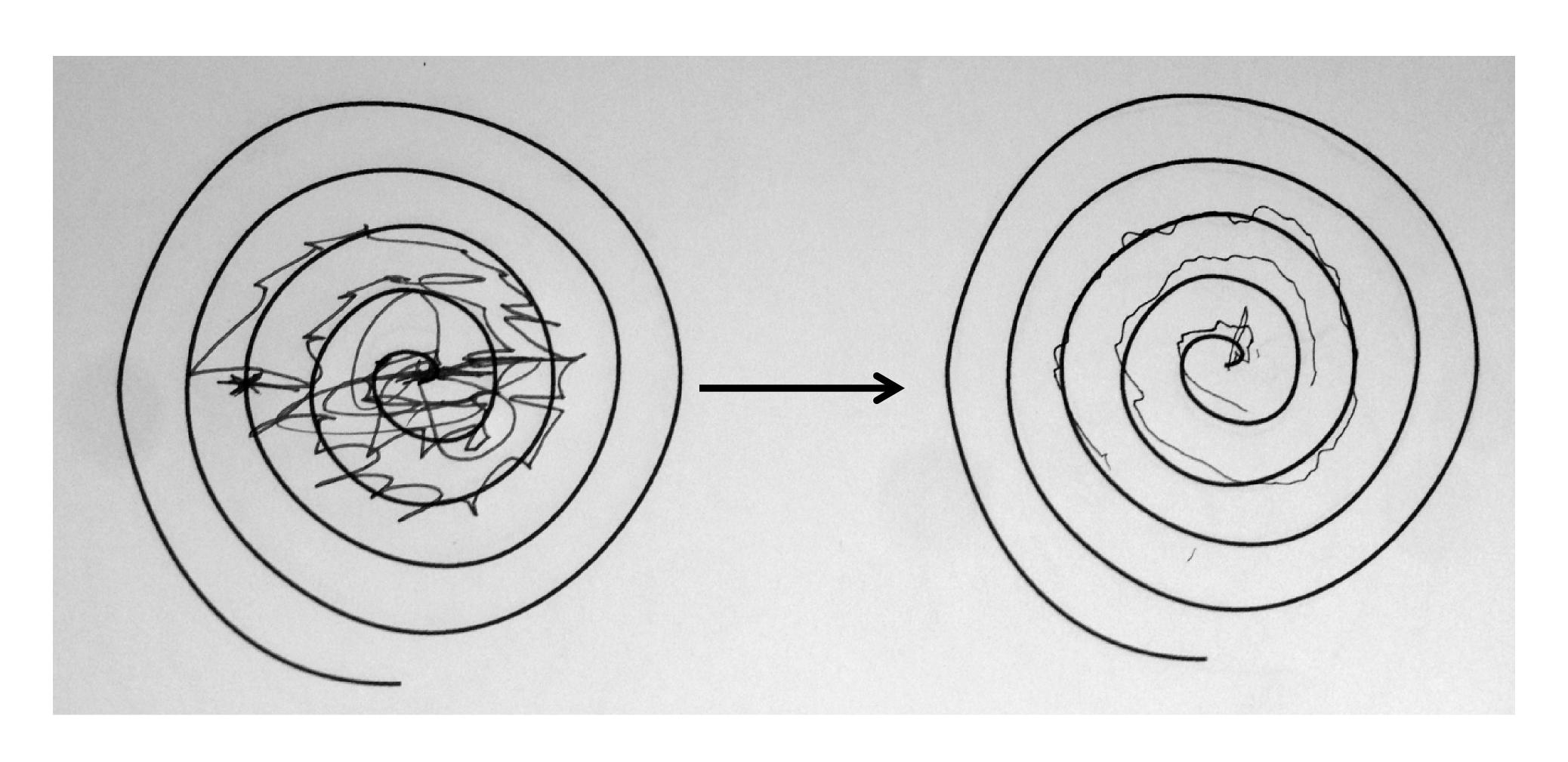


"Ever since my grandpa has been unable to feed himself it's really put into perspective how much being able to be self reliant for the simple things means"

Donated through Bitcoin

Working on Additional Technologies

This is an actual result. Stay tuned.



Get Liftware:

LiftLabsDesign.com/order

