Introduction of Gpacers Technology
Who we are

Gpacers Technology Co. Ltd. was established in Dec. 2014, primarily developing LPWAN IoT communication products for applications.

End of 2018, Gpacers Poseidon Tracker Rescue System (i.e. GPT) was born for personal marine tracking and life saving purpose. It is helpful in life secure adds in marine activities.

HQ located in Taipei, Taiwan; and RD in Hsinchu, Taiwan, R.o.C.

Vision
With cutting edge IoT technologies as core, developing outdoors used IoT solutions for data acquisition, smart analysis, and applications purpose, to become an international IoT leading brand.

Goal
- Customer Satisfactions
- Sustainable development and social responsibility fulfilled
- Continuously gain profit for employees and shareholders
Company Strategies

- 「Common Platform、Small Front-end、Rich Market & Eco Systems」 -- Platform Business Methodologies

- **Common Platform(CP)**
  - Under CP development concept, all product developments consider using common modules for new one. It will saving cost and time.

- **Small Front-end**
  - Many applications in various industries are alike. Considering no big efforts to move into new product or industry, is a fast move, low cost strategy.

- **Rich Market & Eco Systems**
  - All product development towards to rising markets and versatile product needs.
  - Build Eco systems for market and supply chain
Gpacers Poseidon Tracker Rescue System

- Advanced IoT Marine Tracking System
  - Portable private network, easy to install anywhere in earth
  - Providing tracking and data capabilities
  - Distress for rescue design to enhance safety
  - Passed 100m underwater pressure test, fit for all kinds of marine activities
  - With wireless charger, 4~7 days operable per charge
  - Long distance transmission capability, sea level receiving at 10~20Km, and higher receiving could reach more than 100Km
Gpacers Poseidon Tracker Rescue System

Portable device designed for personal safety. Much cheaper and reusable than the safety satellite system application, with GPS and the App monitoring, you can monitor the safety of people through smart mobile phones/pad at any time to prevent diving accidents and enhance rescue efficiency.

The best long distance track solution
GPT = Long distance tracking + distress pre-alarm

System Features
- LoRa LPWAN IoT Technology
- 3-in-1: Tx, Rx, Rp
- App display 4 pre-alarms
- History recorded
- Wireless recharge with long operable time
- Underwater pressure > 100m
- Light weight small size
- Suitable for all kinds marine activities

Advanced Technology
- 2 IP Certified in Taiwan
- 1 PCT Global IP filed and 31 IP Claims

Single Model
- 3-in-1 design

Wireless Network Linking Topologies

Rx Mode  Tx Mode  Rp Mode
Modulization Design

- Modulization design as platform easy for variation and production
APP Displays for Reference

Intelligent Tracking

Tap to Select Members

History Playback Setting

Danger Alarm Receiving
APP APP Displays for Reference

Alert Preset

Enable and Preset Alert
if any team member
- outside of safety zone: 10 km
- absence after 60 min
if any person run nearby receiver
- front 0.5 km; surround 0.35 km

Over Safety Range Alert

Absence Alert

Collision Alert
Product Characteristics

- **Technology Features**
  - The LPWAN transmission distance performance is better than market
  - The integration performance in diving mechanism and electronic device is higher than market
  - The signal processing technology is better than market

- **Product Rewards**
  - 2018.12 GPT awarded the RD reward of SBIR2 program of MOEA, Taiwan
  - 2019.04 GPT awarded the 4th Innovation Competition TMT Group winner of Tsinghua Alumni Association
Market Interested

- Marine
- Smart City
- Smart Agri.
- Smart Med.
- Industry 4.0
Marine Tracking System (Sample)
4.0 Application - Temperature Sensing System (Sample)

- LoRa LPWAN Technology, no extra power and transmission line needed
- Transmission 4 times a day, battery could survive for one year.
- Reduce the manpower for periodic check
- With steam trap, smart energy analysis for energy saving calculation and management
Aquaculture Monitoring System (Sample)

Project Scopes
- Oyster floating frame location tracking
- Water quality monitoring
- Drone for photo and data collection
- Backoffice data display and management
- API for data output

Water quality for production analysis
Oyster frame management
Assistance to disaster analysis of Oyster frame
Mountain Tracking System - System Architect (Sample)

Data analysis and application level

Communication Networking level

Front end sensor level

Distress rescue or regular survey
Mt-climbing tracking
Mount-police management
Animal tracking
Forest Asset protection
Mountain Tracking System (Sample)
Thanks