

EmBrace



Social Distancing Bracelet



Wednesday, 24th February 2021 Nektarios Konstantopoulos, Senior Computer Engineer





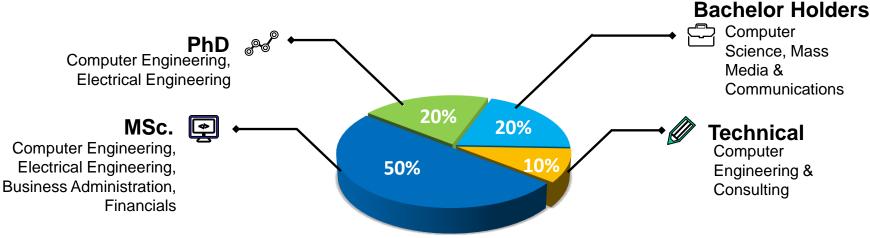


OptionsNet (Systems Integrator, Business)



Areas of Expertise

- Advanced Maritime systems
- Smart Systems
- E-Health
- Integrated Information Systems
- ICT Consulting & Customization







Telocate (Knowledge Provider)



Dr.-Ing. Fabian Höflinger, CEO, controlling, distribution, R&D hardware



Dr. Johannes Wendeberg, CTO, marketing, PR, R&D software

Founded in 2014: Telocate GmbH

- 11 team members (January 2021)
- Precise acoustic localization with the mobile phone: ASSIST
- Asset tracking with Telocate Wave
- Social Distancing Solutions







Excellence

Cross-border experiment (Greece & Germany), Partners with complementary activities/knowledge and excellent performance, high levels of innovation

- Innovation Award Winner LLOYDS GLOBAL LIST 2014
- Google for Entrepreneurs Startup Grind Europe Main Event, London 2017
- European Commission SME Instrument
 Seal of Excellence 2018
- IKT innovativ 2014 of BMWi (among the best six of 290)
- Award Top Start-up Deutschland 2014 of Für-Gründer.de
- 2nd prize of *IKT foundation of the year 2017*

















Excellence



Test in Maritime Environment (Passenger or Cruise ship)





Excellence

Complement Bluetooth with Ultrasound technologies in the SD Bracelet

- Far more precise distance metering using the sound propagation time
- Robustness against ambient noise with modern signal processing methods

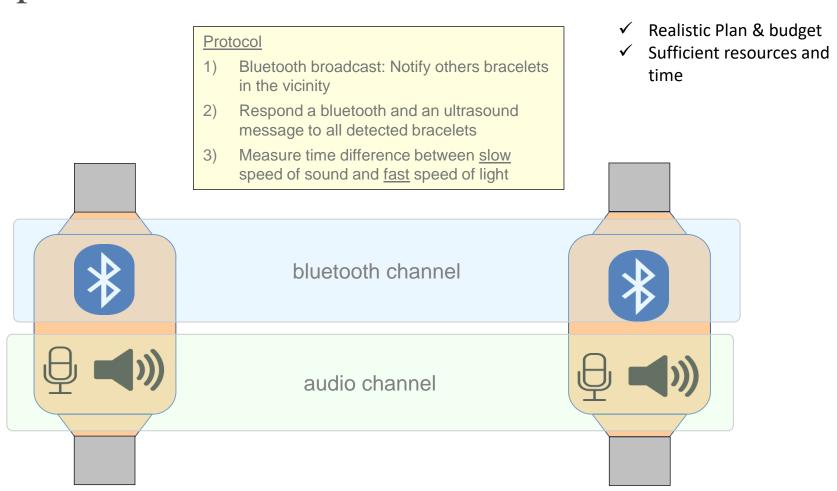
Features

- Warning signals when close to others
 - Vibration
 - Bright LED flash
 - Acoustic cue signal
- Data security
 - All processing is done on the devices
 - No data is logged or shared
- Battery powered
 - Activity times similar to a smart watch
 - Standard USB charging port
- Modularity
 - Can be connected to an infrastructure (base station) to enable emergency evacuation system support



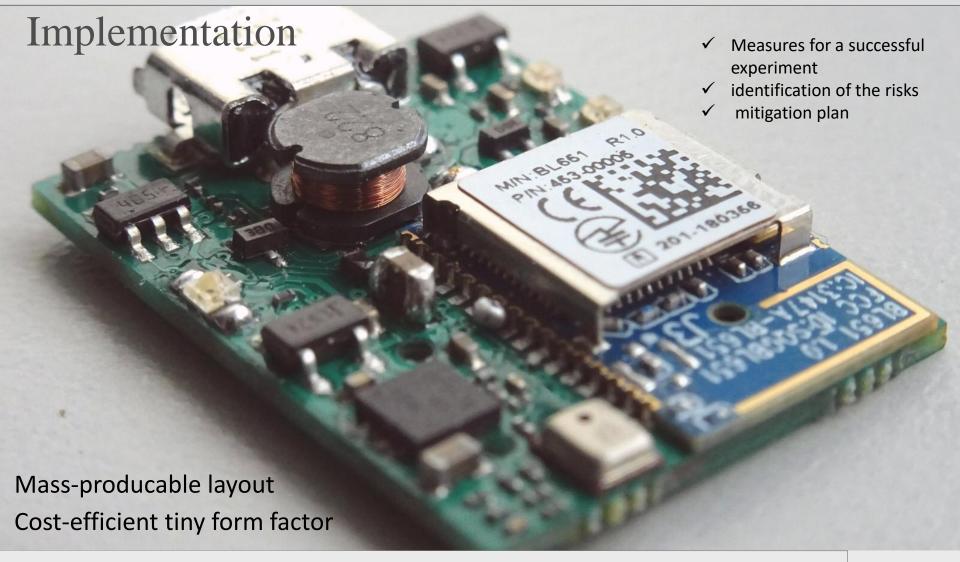


Implementation













Impact

- ✓ Benefit for both partners, complementary profiles, clear knowledge transfer subject and IP agreements, cross-border approach, win-win business opportunity
- ✓ Market opportunity, track record and market demand, current conditions (COVID-19 pandemic, investments etc.)
- ✓ Existing or forthcoming competition, position in the market after the successful experiment, rising competitiveness level of both partners
- ✓ Early adopters and present clients, distribution channels and partnerships, scalability of the solution, clear commercialization strategy







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Thank you for your attention!