Intellectual Small-Size Emergency Flotation Wristband

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This project is to propose and develop a prototype of an advanced intellectual small-size emergency flotation wristband (IEFW), which is intended for mounting on the wrist, dustproof, waterproof, impact-resistant and has a smaller size and weight with the use of solid-state gas generator, wireless charging, built-in programmable smart device with accelerometer, gyroscope, temperature and pressure meters. It is connected to any smartphone by Bluetooth, with manual or remote activation. It also functions as fitness tracker. In case of emergency IEFW is activated and rubber inflatable is filled by gas, which enhances buoyancy by 150 Newton.

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