Wireless sensors for sports equipment

- Enfucell has developed, in collaboration with Qualcomm and Nordic Semiconductor, a disposable sensor patch for golf clubs and other sports equipment
- Measures acceleration and angular velocity, and sends it out by Bluetooth LE
- Enfucell's algorithm interprets the data for the user
- Weight <5 g, thickness 3.5 mm
- The same platform can be used for many sports and various sensors
- Potential sport use cases
    - Running: attach on lower back, analyze running performance and style
    - Ice-hockey: head injury monitoring, attach on the back of the hockey stick, analyze shots in individual training
    - Racquet sports: count hits to monitor equipment lifetime
    - Head injury monitoring: skiing, equitation, cycling
    - Skiing: 3D view of a ski run, turn analysis of forces and vibrations
- Platform for concussion monitoring
    - Enfucell sports platform can be programmed to convert acceleration measurements to information about risk for brain injury
    - First real-life testing is being prepared for ice-hockey
    - Flexibility and thin form factor allow tight fitting against forehead skin
    - No need for extensive modelling and individual calibration
    - Targeted for junior players and adult professionals to screen single impacts and cumulative effects on the brain
    - Linear and rotational effects can be detected

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