SME Pitches

Sensing smart everywhere

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SAT at a glance

- SAT is an innovative Italian start-up headquartered in Turin
- Successful financing round in Q3 2023 (ASCEND *) enables fast, global expansion
- Currently 10 employees and PhD students
- Partnerships: Garmin, Politecnico Turin, Jmedical, insurances, leading automotive OEMs/Tier1
- Focus on automotive, transportation, mining & medical
- Winner of GARMIN “Insurance & Employee Health” Awards 2023 (**)
- POCs in Brasil, South Africa and Australia on fleets of heavy duty trucks and busses for innovative fatigue management applications

(* https://www.ascend-cp.com/)
An unique blend of competences

- SAT it’s the unique and seamless combination of competences between medical doctors (e.g. sleep medicine, neurology) and engineers (e.g. automotive, semiconductor technology, embedded SW, biomedical)

- SAT masters vital signs, from wearable/contactless sensors (i.e. RADAR, iPPG) and develops efficient algorithms for healthy living applications

- SAT has developed a family of algorithms (PREDICTS) based on biometric parameters and predicting, in real-time with unprecedent accuracy, the sleep onset of a person

- SAT’s prediction effectiveness has been proven in scientifically & medically controlled vehicle simulation runs as well as on fleets of heavy duty trucks in the field of logistic & transport
Sensing smart everywhere

• SAT is currently working on different target applications wherever the health status and the consciousness level of a person, through the smart analysis of vital signs, is relevant

• SAT uses a combination of contact/contactless sensing technologies to extract vital signs and it’s willing to explore new and innovative solutions
Company’s Activities

• SAT is currently involved in two JU running projects:
  • AI4CSM (IFX)
  • A-IQReady (AVL)

• SAT is member of EPoSS:
  • Active in workshops / events
  • Working on SRAs / roadmaps
## Collaboration Expectations

<table>
<thead>
<tr>
<th>Collaborative project of interest to you</th>
<th>Chips JU, Horizon Europe</th>
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<tbody>
<tr>
<td><strong>Scope</strong></td>
<td>Development of new applications for healthy living based on new sensing technologies</td>
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<tr>
<td><strong>Project idea</strong></td>
<td>Non intrusive high-quality measurement of vital signs for automotive and medical applications</td>
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<td><strong>Project impact</strong></td>
<td>High impact thanks to the relevant international network through the capital partner</td>
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<td><strong>Project consortium</strong></td>
<td>We are searching for multi-disciplinary large projects offering: 1) expertise in smart vital signs analysis and innovative sensing technologies, 2) use-cases, experiments and in-field validation for a wide range of healthy living applications</td>
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<td><strong>Other information (e.g. project budget, duration)</strong></td>
<td>3 yrs</td>
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