



# SME Pitches

Sensing smart everywhere

+ Riccardo Groppo

+ Sleep Advice Technologies Srl (SAT)

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# SAT at a glance



**ECS**  
**BROKERAGE**  
**EVENT**

- SAT it's 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/>)

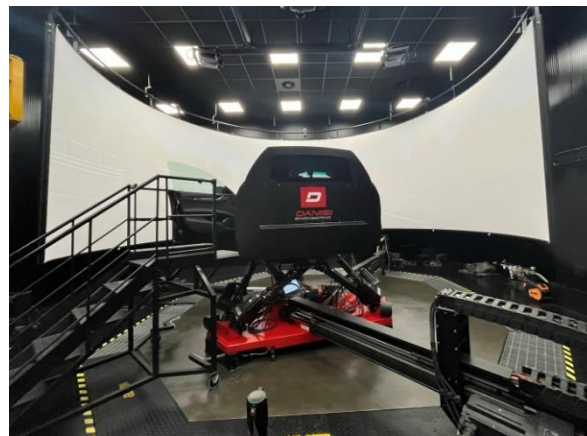
(\*\* <https://www.garmin.com.my/news/press-release/news-2023-nov-garmin-health>)

# An unique blend of competences



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- 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 unprecedented 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



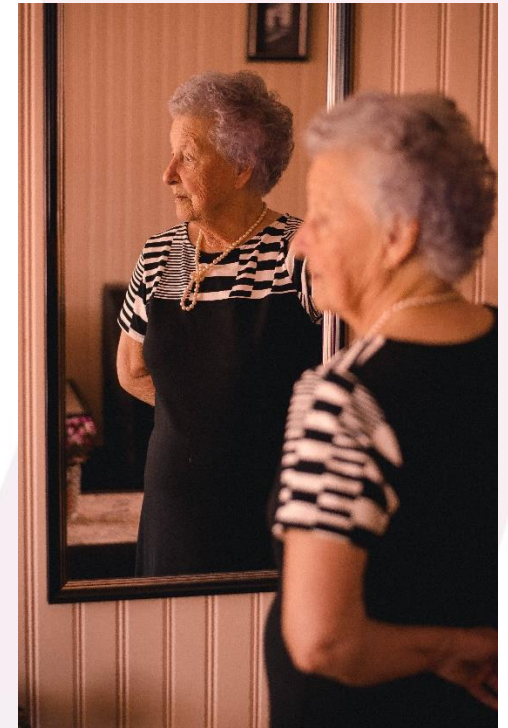


# Sensing smart everywhere



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- 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

Collaborative project of interest to you	<i>Chips JU, Horizon Europe</i>
Scope	<i>Development of new applications for healthy living based on new sensing technologies</i>
Project idea	<i>Non intrusive high-quality measurement of vital signs for automotive and medical applications</i>
Project impact	<i>High impact thanks to the relevant international network through the capital partner</i>
Project consortium	<i>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</i>
<i>Other information (e.g. project budget, duration)</i>	<i>3 yrs</i>



# Contacts



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