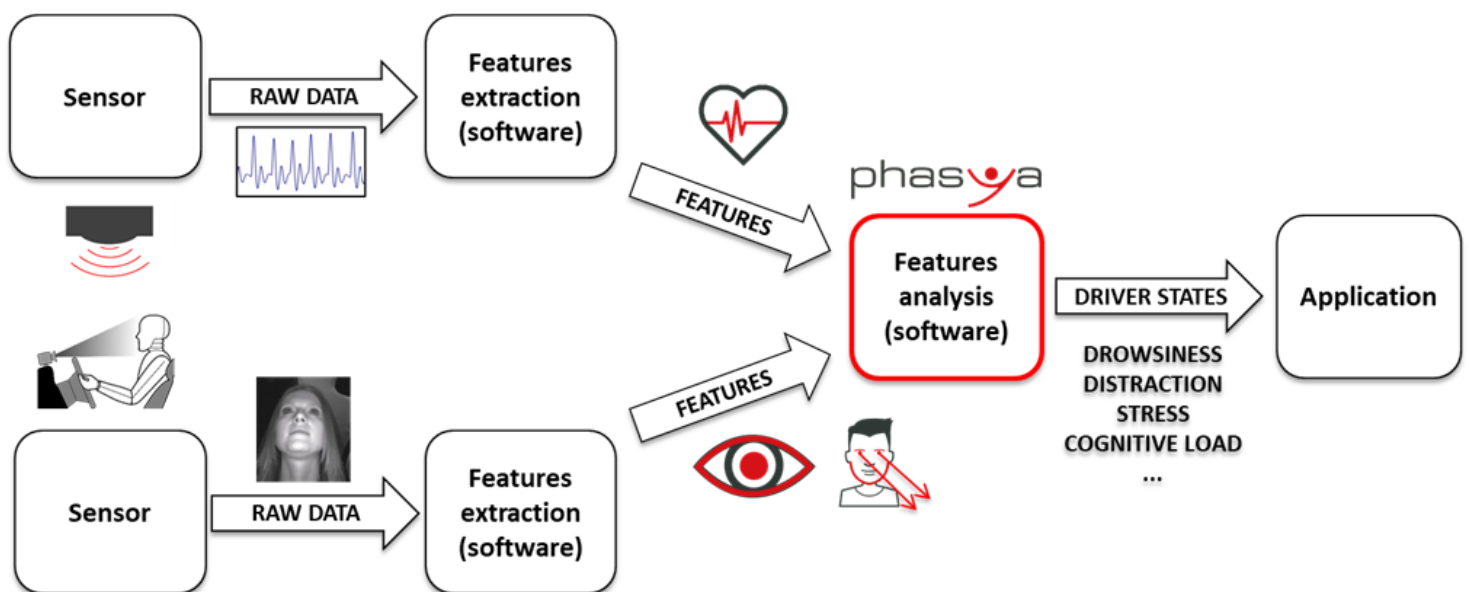




Phasya

Phasya develops the first software portfolio for monitoring several physiological and cognitive states (e.g. drowsiness, stress, etc.) that influence human performances. Phasya's solutions are mainly based on the analysis of eye features and heart rate, independently or in combination.

PHASYA'S TECHNOLOGY



- The standard driver monitoring system comprises of sensing, image or signal processing and then the application. Phasya have also seen that mainly, it is the ocular input that is used.
- Phasya introduces a second software layer.
- The first layer, which is the signal or image processing software provides features or physiological data such as eye gaze direction and PERCLOS.
- Phasya then analyses this data and is able to provide physiological and cognitive states: Drowsiness, Stress, Distraction, Cognitive Load etc.
- And reduces false positives and false negatives by 50%.

“

**NEXT GENERATION
OF DRIVER
MONITORING
SYSTEMS**

”

SOFTWARE MODULES

The software comes in three Modules :



OCULAR

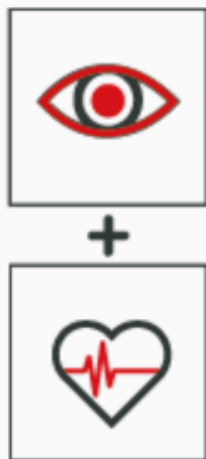
Can measure Drowsiness, Distraction, Stress, Cognitive loads based on analysis of one or several eye features such as eyelids gap (i.e. eye opening) and pupil position.

CARDIAC

Can measure Drowsiness, Stress based on the analysis of heart rhythm features such as heart rate variability.



COMBINATION OF OCULAR AND CARDIAC



Can measure Drowsiness, Distraction, Stress, Cognitive loads based on the analysis of ocular data and cardiac data. The combination of ocular and cardiac data enables a better accuracy of the drowsiness measurement.



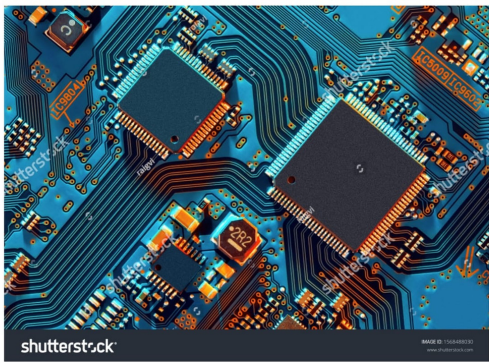
Driver State

awake
distracted
high cognitive load
medium stress



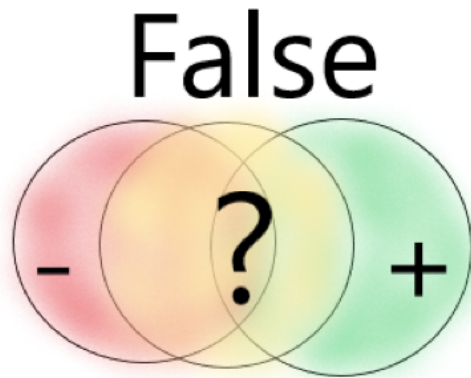
EASY INTEGRATION

Quick and easy integration by the delivery of a custom-made API



HARDWARE AGNOSTIC

Hardware agnostic to fit various sensing and processing platforms



REDUCES FALSE POSTIVES AND NEGATIVES

Accurate and reliable measurement of states thanks to our multidisciplinary development methodologies

MULTI-STATE MONITORING

Multi-states monitoring in order to enable a better understanding of underlying states that impact the individual performance and well-being

