



Our onboard technologies bring easier mobility and better safety to everyone



NEXYAD Automotive & Transportation Newsletter #16, April 11th, 2017

Achieving of real time risk assessment in car telematics with Safetynex

Headlines :

- New Rating of Nexyad by Early Metrics
- BIKER ANGEL Project selected for Government funding (FUI23)
- Conference on Machine Learning organized by SNCF
- Nexyad Paper at 1er European Conference on Connected and Automated Driving
- Meeting Mov'eo, Systematic and Cap Digital
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New Rating of Nexyad by Early Metrics

NEXYAD has just been rated again by the rating agency [Early Metrics](#) and got the score of 81/100 which puts us in the top 2% of companies rated by Early Metrics. This rating is primarily for investors.

Early Metrics is an European rating agency of startups and SMEs.



BIKER ANGEL Project selected for Government funding (FUI23)

The FUI23 French collaborative research program published the list of projects that are approved : The project BIKER ANGEL (adaptation of the real time driving risk assessment module SafetyNex to motorbikes) is selected ! Biker Angel Project led by NEXYAD was already labelled by Competitiveness Cluster FINANCE INNOVATION.

Le programme de recherche collaborative FUI23 (Fond Unifié Interministérielle) a publié la liste des projets approuvés : BIKER ANGEL est sélectionné (adaptation du logiciel de mesure du risque en conduite temps réel SafetyNex pour la moto). Le projet BIKER ANGEL porté par NEXYAD avait déjà été labellisé par le Pôle de Compétitivité [FINANCE INNOVATION](#).

[Read HERE](#)



Conference on Machine Learning organized by SNCF

Very interesting conference on Machine Learning and Deep Learning.

[SNCF RESEAUX](#) welcomed a large audience last tuesday 28th march in Saint Denis.

French experts of A.I. field were introduced by Claude Solard SNCF réseau Chief Operating Officer and Jean-Jacques Thomas Director of Innovation.

Christophe Garcia, Full professor at [INSA Lyon](#), deputy director of the [LIRIS laboratory](#), gave an introduction to Neural Networks and Artificial Intelligence and answered to the audience's questions.

Then, Gérard Yahiaoui, CEO of Nexyad, Vice President of the [MOV'EO](#) Cluster, explained the Criteria for use and Methodology for implementation: the methodology AGENDA.



Gérard Yahiaoui CEO of Nexyad

From [CEA List](#), Jean-Marc Philippe presented “from the Neural Network Tools to the Optimized System”. The conference continued with a roundtable about the SNCF Caffeine Project or how to go from the industrial need to the applied solutions in SNCF Réseau; animated by Alain Rivero, SNCF Réseau Director of Caffeine Project; Xavier Roy, Head of Innovation of [ITNovem](#); Michel Paindavoine, co-founder of [Global Sensing Technologies](#) and professor at University of Bourgogne; and Jean-Jacques Thomas Director of innovation of SNCF Réseau.

The CAFEINE Project proposes to use the Artificial Neural Networks to detect the defects of pantographs on moving trains, and also to read the number of each wagons, oars and containers.

Another roundtable was organized about Startups and A.I. with Kunthirvy Collin-Dy, Head of relationships with Startups of [SNCF Réseau Robot Lab](#); and Yannick Gérard, Head of Project of [DAVI](#). Patrick Bastard, Director of Driving Assistance Systems engineering of Renault, ended the conference with a presentation on an opening to other fields of application : vehicles electrification, ADAS and autonomous driving.



From the left : Jean-Marc Philippe, Patrick Bastard et Christophe Garcia

Nexyad Paper at 1er European Conference on Connected and Automated Driving

Machine Learning and Artificial Intelligence for Intelligent Connected Car : The Validation Issue.

A paper by Brahim Yahiaoui, Pierre Da Silva Dias and Gérard Yahiaoui

First European Conference on Connected and Automated Driving

3-4 april 2017 – European Commission, Charlemagne Building, Brussels

- How to concile high complexity of A.I. with ASIL standard that needs a system to be fully predictable ?
- How to make sure that machine learning based behaviour will be adapted to new cases ?
- A Conception AND Validation methodology : « AGENDA »

Meeting Mov'eo, Systematic and Cap Digital

A networking event took place at Cap Digital in Paris, the 16th of march. In the presence of Christophe SIRUGUE, Secretary of State for the Digital and Innovation Industry, the goal of this meeting was to bring together SMEs or startups offering innovative technologies or services for the connected vehicle.

Jean-Luc Moullet, Director of the competitiveness program, industrial and transport , Investment advisory services for the government, introduced the support mechanisms available under the Investments Program of the Future. Jean-Luc BROSSARD, R&D Director of [PFA](#) spoke about the Dynamics of innovation and needs of the automotive sector and mobilities. Anne Laliron, Director of Business Lab for PSA, gave a car manufacturer vision for the future. Gérard Yahiaoui, CEO of Nexyad and vice-president of Mov'eo, Michaël Fernandez, CEO of Drust, and Thierry Ernst, CEO of YoGoKo, advocated view for SME's and Startups. Then Marc Charlet, Managing Director of MOV'EO, Patrick Cocquet, General Delegate of Cap Digital Hub, and François Cuny, General Delegate of Systematic Hub, discussed about Hub contributions. Christophe Sigure concluded this information-sharing.



Thierry Ernst on the left with the mic, Michaël Fernandez and Gérard Yahiaoui on the right

Nexyad has visited 6th “les Rencontres Flotauto”

On Thursday, March 9, the “[Rencontres Flotauto](#)” or Professional fleet meeting were held in Paris.

This important event brings together all players of the fleet sector. Suppliers of telematic equipment such as [Nomadic Solutions](#), a French eco-driving specialist. Pure fleet management as [Fleetmatics](#) a French SME recently acquired by the American giant Verizon . New mobility startups such as [OpenFleet](#) which offers car sharing solutions for professionals. Almost all the European and Japanese car manufacturers were also represented by their Fleet subsidiary such as [Volkswagen Group Fleet Solution](#).



Fleetmatics booth



Nomadic Solutions on the right and Carte Carburant Leclerc on the left

Nexyad in Media



Saint Germain en Laye : This App promises to Secure your Driving, by Jeremy Denoyer.

"C'est une application dont certains conducteurs ne pourraient plus se passer. SafetyNex, actuellement en phase de test auprès de 3500 utilisateurs, permet de déclencher des alertes en fonction de la dangerosité des aménagements fixes (croisements, ronds-points, virages) et des excès de vitesse. Développée par la société Nexyad, basée à St Germain en Laye, cette application devrait être disponible sur les plates-formes de téléchargement mobile d'ici deux mois."

[Read the entire news / Lire l'article ici](#)



SafetyNex App Onboard on smartphone

SafetyNex available on Stores for Testers (Apple and Google)

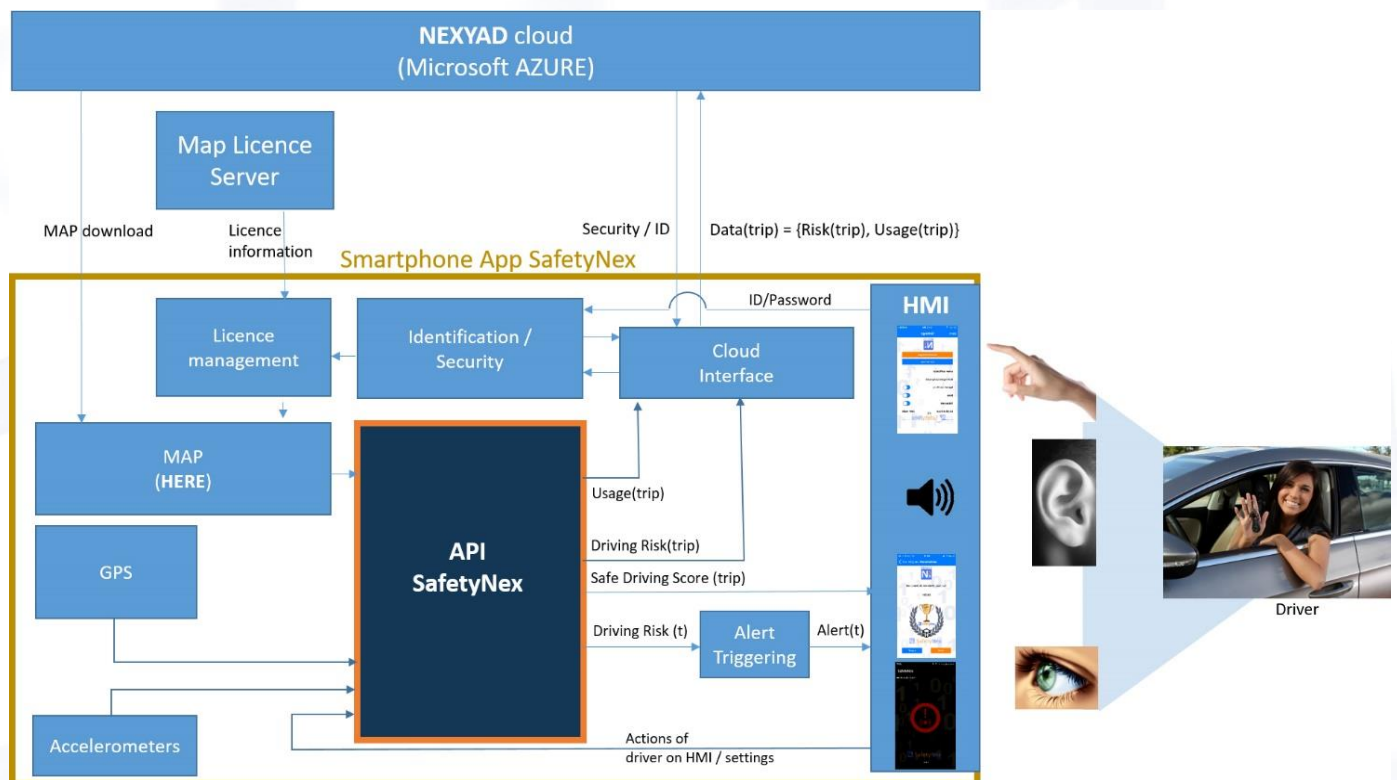
To test SafetyNex in your car, send your iTunes email if you use iOS smartphone or your Google account email if your smartphone is an Android one, to this address obenel@nexyad.net

Today SafetyNex works on four continents :

- Europe : Austria, Belgium, France, Germany, Ireland, Italy, Nederland, Spain, Switzerland, United Kingdom
- North America : Mexico, United States
- South America : Chile
- South Asia : India, Singapore

We'll integer new countries as soon as possible and on demand.

NOTICE : SafetyNex is now also available for integration in any Smartphone App and Electronic Devices through an API.



[Click to enlarge](#)

Groupement ADAS welcomed New Member NIT

New Imaging Technologies

Groupement ADAS is a Team of innovative companies (cluster) with over 20 years experience in the field of technologies used in assistance driver systems (design, implementation and integration of ADAS in vehicles for safety features, driver assistance, partial delegation to the autonomous vehicle).

Last month, a new member joined the cluster to make ten companies !



New Imaging technologies (NIT) offers CMOS and InGaAs imaging sensors and cameras operating over an extraordinary dynamic range of more than 140dB. Our sensors are particularly useful for machine vision, automobile and autonomous driving, biometrics, security and surveillance. NIT delivers from large volume production down to small numbers and custom products. Our facility is fully ISO9001 accredited.

[More about NIT](#)

The other members are :

- [Adaccess](#)
- [CAR&D](#)
- [GlobalSensing Technologies](#)
- [Intempora](#)
- [LeddarTech](#)
- [Nexyad](#)
- [Nomadic Solutions](#)
- [Sherpa Engineering](#)
- [Transpolis](#)

[To discover Groupement ADAS](#)

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Artificial Vision Products of Nexyad

– RoadNex is a functional bloc (software) for ADAS (Advanced Driver Assistance Systems) : detection of the road shape/contours and lane in front of the vehicle.



– ObstaNex is a functional bloc (software) for ADAS (Advanced Driver Assistance Systems). ObstaNex detects obstacles (a car, a pedestrian). Definition of an obstacle: object that is not plane (or that is « enough » vertical), and/or that has a movement that is not due to the movement of the camera.



– VisiNex Onboard is a functional bloc (software) for ADAS (Advanced Driver Assistance Systems). VisiNex Onboard measures the visibility on a region of interest (visual quality score and distance of detection).



Previous Newsletter : [2017 Year of mass deployment for Nexyad Products](#)

NEXYAD is a High-Tech SME member of the science and innovation French cluster Mo'veo
<http://pole-moveo.org/en/>

NEXYAD is member of the "Groupement ADAS"
<http://groupementadas.canalblog.com/>

To read more, go the NEXYAD Automotive & Transportation page
<http://nexyad.net/Automotive-Transportation/>

French Ministry of Research approved NEXYAD with CIR Label, again, for years 2015, 2016 and 2017.

Please feel free to ask questions : sales@nexyad.net

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