

# Increasing Safety on the Road with Dynamic Lighting

OPmobility and Sonatus present a novel no-code way to update and adapt lighting functions over the lifetime of the vehicle.

## THE CHALLENGE

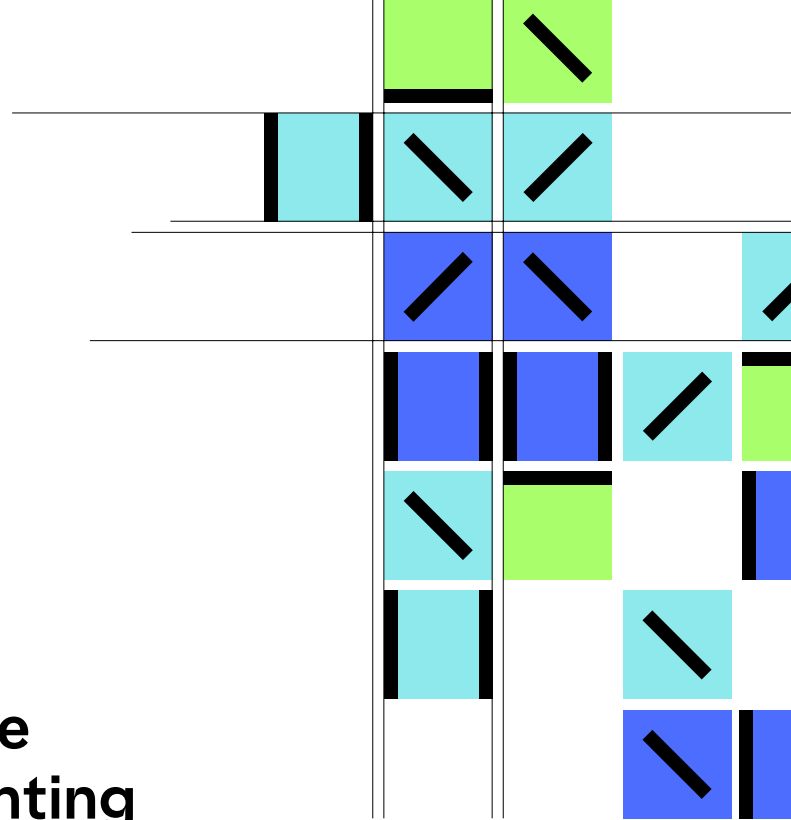
By combining their products and technologies, OPmobility and Sonatus are increasing safety on the road. Their jointly developed software-defined lighting solution reduces the risks of car collision.

## THE SOLUTION

In their project, OPmobility and Sonatus present the latest developments based on a digitally addressable signal lighting setup. This includes orchestrating new vehicle lighting features and diagnostic routines; instant prototyping of new features to accelerate product cycles, and reduction of development and validation costs. The work also contains an illustration of the latest generation of OLED signal lighting with a comparison to traditional digitally addressable technologies such as MiniLED.

## THE OUTCOME

Coupled with advancements in digitally addressable lighting technology, adding software configurability significantly improves driving safety, user experience, and styling. OPmobility and Sonatus are bringing this new solution to the market for production cars.



## SONATUS

WEBSITE

[sonatus.com](https://sonatus.com)

FOUNDED

2018

HEADQUARTERS

Sunnyvale, US

NO. OF EMPLOYEES

50+



## Sonatus accelerates vehicle software innovation.

Sonatus's technology provides OEMs and their suppliers with building blocks to accelerate the shift to software-defined vehicles.

## ABOUT STARTUP AUTOBAHN

STARTUP AUTOBAHN powered by Plug and Play is an open innovation platform that provides an interface between innovative tech companies and industry-leading corporations. The basis of the program is the partnership that develops between startups and the corporate business units. The two entities hold an equal footing from the get-go: together they evaluate the potential for a joint venture, move forward to pilot the technology, and work to achieve the ultimate goal – a successful production-ready implementation. Designed with the intention to exceed startup acceleration, STARTUP AUTOBAHN powered by Plug and Play moderates a community for collaboration with a focus on implementable results. Over the years, the platform has successfully cultivated over 400 projects with more than 300 startups since its founding in 2016.

## ACKNOWLEDGEMENTS

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