

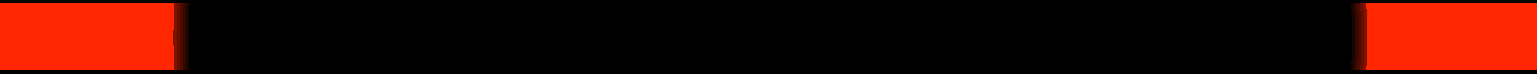
SBS

Improving Vehicle Safety
Smart Brake System

Sept 2023

The facts

Data



The market
More than 1 Billion cars in the world
More than 50 million new vehicles sold per year



Each year there are millions of rear-end vehicle collisions

It happens all around the globe

Rear-end vehicle collisions create:

- Injuries
- Deaths
- Costs

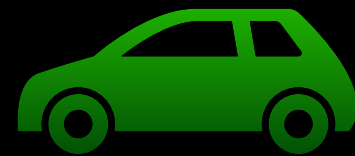
Third brake light (TBL) reduces +5% collisions*

*TBL created in 1974 and mandated by HSNA in 1986 after extensive tests

The need

Reduce rear-end vehicle collisions

- Save lives
- Reduce injuries
- Save money
- Improve people's lives



KEY MARKETS	PRODUCED	SOLD
CHINA	22 M	23 M
US	9 M	14 M
EUROPE	10 M	10 M
JAPAN	8 M	4 M
INDIA	4 M	4 M

Each year there are millions of rear-end vehicle collisions

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Rear-end vehicle collisions create:

- Injuries
- Deaths
- Costs

Third brake light (TBL) reduces +5% collisions*

The solution

Enhance Safety through Next Gen Brake Systems

Providing better information when braking, improves safety by reducing rear-end collisions

- Providing visual information proportionally linked to deceleration
- Increasing light surface as deceleration increases
- Perceiving changes in light intensity

- Save lives
- Reduce injuries
- Save money
- Improve people's lives

The **right mix** of **visual** stimulus



Our system


The **right mix** of **visual** stimulus

Our Next Gen breaking system saves lives, property and money

- SBS transmits a complete, fast and intuitive information vs conventional break system
- SBS is a breaking indicator, comprising an electronic controller for processing the deceleration and speed
- SBS Lights lit up progressively according to speed reduction
- Intuitive

Our Next Gen breaking system is perfect for OEMS and Aftermarket

- Plug & Play
- Easy to adjust it to any break light in the market. SBS Tech embedded in the light.
- No need to modify the vehicle. Direct installation / replacement
- Provides innovation & differentiation to the brands
- Adds great value for a very reduced cost

Technology that **saves** lives

And more



Technology that **saves** lives

BACKED BY SCIENCE/DATA

According to the US Federal Highway Research Institute's report in Optimization of Rear Signal Pattern for Reduction of Rear-End Accidents during Emergency Breaking Maneuvers, **SBS** has the optimum mix of the positive stimulus factors (Shown in green & grey)*

PATENTED

- Spain - 2020
- USA - 2023
- Europe - 2023
- China - 2023
- Japan - 2023

Benchmark

Stimulus

BACKED BY SCIENCE/DATA

*

Increasing the Size of the Illuminated Surface
Change in Location of the Illuminated Surface
Change in the Luminance
Flashing Lights
Changing the Light Color
Changing the Contour of the Brake Lights
Increasing the Number of Brake Lights
Combination of Various Stimulus Factors

Stimulus	TBL	FBL	SBS	DBL
1			X	
2			X	
3			X	
4		X	O	X
5				
6			X	
7			X	
			X	X

TBL: Conventional Third Break Light
FBL: Flashing Break Light
SBS: Proportional Dynamic Stop Light
DBL: Dynamic Break Light or Emergency Break Light

The team

What can you do better than saving lives?

Alberto de la Morena

Tech

Architect

Architecture



Manuel de la Morena

Admin / Operations

Economist

Investment Banker









