



W DATA

START-UP



Presentation is dedicated to
4th Global Ministry Conference on Road Safety Participants





G L A D S

Global Airbag Data System





GLADS aims to save lives on the roads



What problems do we solve?

- Teft of airbags
- Fraud with airbags in the cars
- deaths in accidents because of the the airbags did not deploy when required to deploy. Why?
 - because they were not physically there
 - because improperly built-in
 - because an inappropriate airbag is built-in
- Unsafe cars in secondary market worldwide

USA: NHTSA and federal law enforcement officials say there's no way to know for sure just how many counterfeit airbags are being installed in U.S. cars today. A new car today can have up to 10-15 airbags installed. Ten states in USA - Texas, Florida, Georgia,N.C., Michigan, Ohio, California, Tennessee, Illinois, Virginia have more than 40.000 cars back on the road after an airbag deployment and >150.000 airbags are stolen every year.



Data per year	USA	Europe	South America	Worlwide
Stolen airbags, pcs	>350.000	>450.000	No data	>1.000.000
OEM's airbag sales, €	No data	No data	No data	No data

5 traditional ways to check airbags of the car:

- Check the airbag indicator light on the dashboard
Easy to falsify by disconnecting the indication
- Check in the car's dashboard seems oddly new
It's very easy to age the surface
- Ask the car seller for information
Answer: it's all ok, I did not repair anything
- Check the Airbag inscriptions on the surfaces
No problem, it will be on the changed surfaces
- Have an airbag deployment check in service
Service will use the methods as above



218 car accidents with deaths and hard injuries in Lithuania 2020-2022, in which, by their nature, airbags should have deployed, but did not deployed *

* official data of the Lithuanian Transport Safety Agency (LTSA)

120 front impact accidents
Front airbags did not deployed

13 / 10
11% / 8%

Deaths / hard injuries

54 side impact accidents
Side airbags did not deployed

5 / 3
9% / 6%

Deaths / hard injuries

Other deaths and hard injuries
including rollovers when airbags not
necessarily should not have
deployed ** or not equipped

140 / 199
64% / 91%

Deaths / hard injuries

** - However, some of these incidents may also have had airbags that did not deploy.

Is it worth implementing this project?

YES, because every life is invaluable, but however...

costs in EU, mln €

Single lost life

1,87

When drive alone



1 lost life 4 hard injuries

2.60

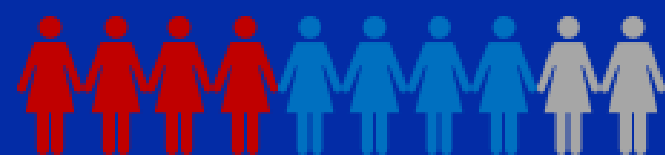
Most common situation in fatal car accidents



4 lost lives and 4 hard injuries

11,37

Such incidents occur on the roads every day





Core parts of GLADS

RFID tags

Top quality with
high level data
protection

Software & Data base

Worldwide vehicle
airbag data base

RFID testing devices

Dedicated RFID
scanners & software

GLADS Management
and Control

Full 24/7 process,
supply & data control



Fully protected data base software

Fastest cloud servers around the world

A global network of duplicated servers

Nonstop System data input and output 24/7



Key facts: SOFTWARE

Purpose of the database

To accumulate, analyze
and submit data to its
users by access level

Access to System

Each user has his
own dedicated
and limited
access to System

Servers work

Each server will be
as close as
possible to users
for fastest work

100% warranty

Maximum requests
and data inputs
with offline work
possibility

Equipped with dedicated software

Fully protected from hacking

Specially designed and folded to GLADS

Change to a new warranty and service 24/7



Key facts: RFID SCANNERS (testing devices)

What the device has?

Software that allows him to scan RFID data and to enter a new data to the system

Free for users

Free, including delivery, additional scanner for replacement

License

Yearly license for the use of scanner and related software

100% warranty

Warranty service throughout the GLADS operating period

4 memory banks inside

Specially created material

Easily attached to the airbag

Top quality & long life warranty



Key facts: RFID TAGS

What is inside tag?

Antenna and
integrated chip

From what it is made?

Tag made of flexible
textile material

How is it attached?

Tag sewn / glued to
the material of the
airbag

Is it safe?

tag torn without
affecting the
process of deploy



Full control of the whole process

Technical support 24/7 worldwide

Timely Supply and Quality Guarantee

A guarantee of continuous work



Key facts: CONTROL AND MANAGEMENT

Tag quality control

Production is carried out in its own factory

Supply chain

Ensures timely tag supply of airbag manufacturers around the world

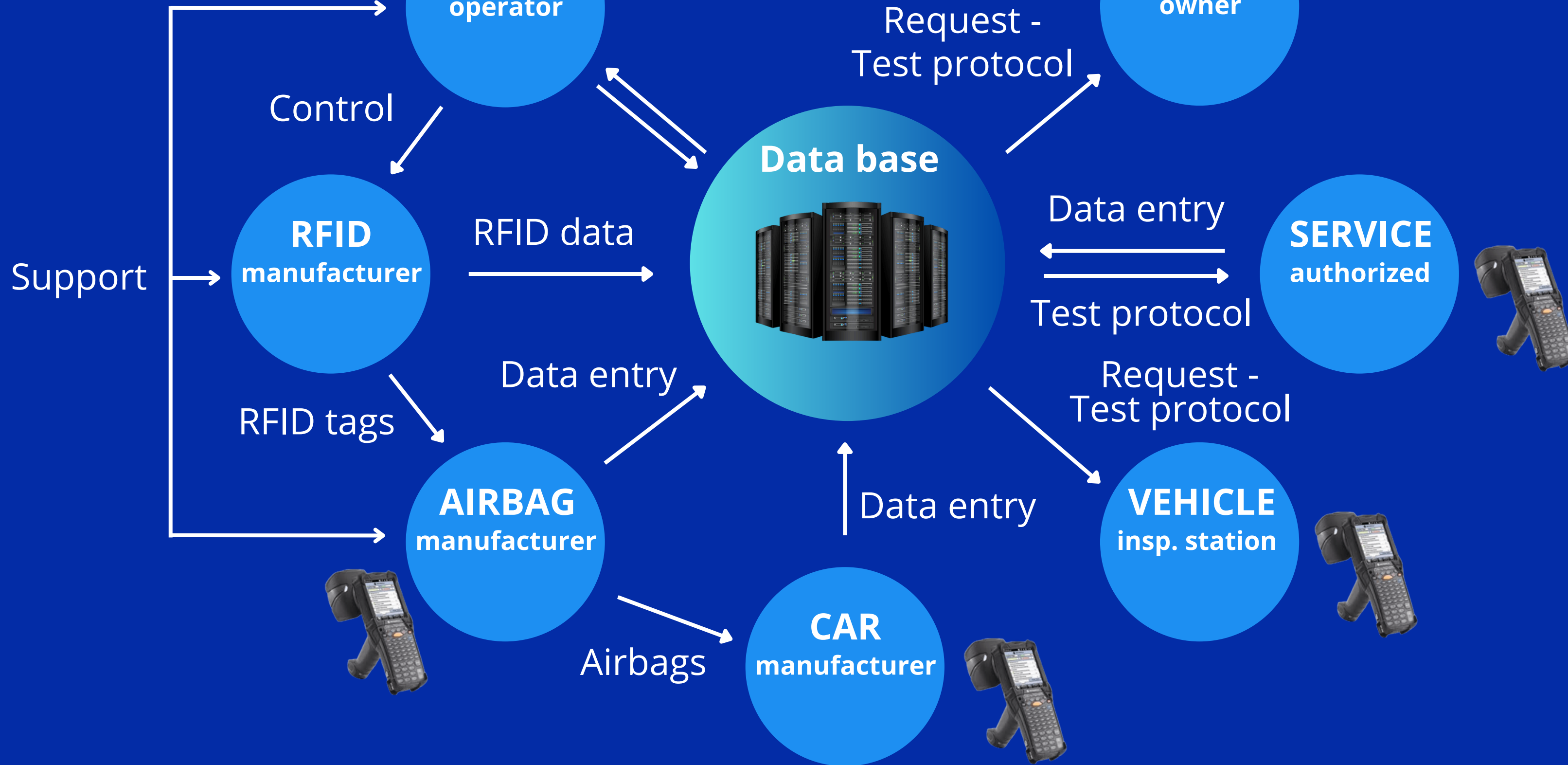
Data protection

100% data protection and duplicate servers work

Warranty

Guarantees for tags and their scanning equipment

How it works?



Process RFID - NEW CAR in details

System operator:

- RFID label producing, enter and register encrypted data, delivery to airbag manufacturer.



Airbag manufacturer:

- RFID label factory sewing/gluing and implementing in airbags;
- RFID label factory scanning and confirming in data base, with assigning to car manufacturer;
- Airbag delivery to car manufacturer.



Car manufacturer:

- Airbag implementing in car, RFID scanning and assigning to VIN and confirming in data base.



Data entry process completed.

Processes after a car purchase

Car accidents with deployed airbags:

Authorized service checks the condition of all airbags, replaces the airbag and enter new data to the database.



In the database:

New data: RFID codes, airbags replacement date, VIN number is visible in the database of airbag manufacturers, authorized services.

Sale/purchase of a car:

The official airbag inspection report is obtained by authorized services or vehicle inspection centers. Without it, the car cannot be sold and conveyed.



Project timeline (projected)

2025-2026

GLADS legal regulation worldwide (WP.29)

Start of developing:
Data base, RFID tags,
RFID manufacturing
equipment & testing
devices

2026-2027

GLADS data base
simulation & testing

Testing devices,
RFID tags
equipment
manufacturing

2027-2028

Preparation of
GLADS to start

Installation of
software for users
Worldwide sales of
testing devices

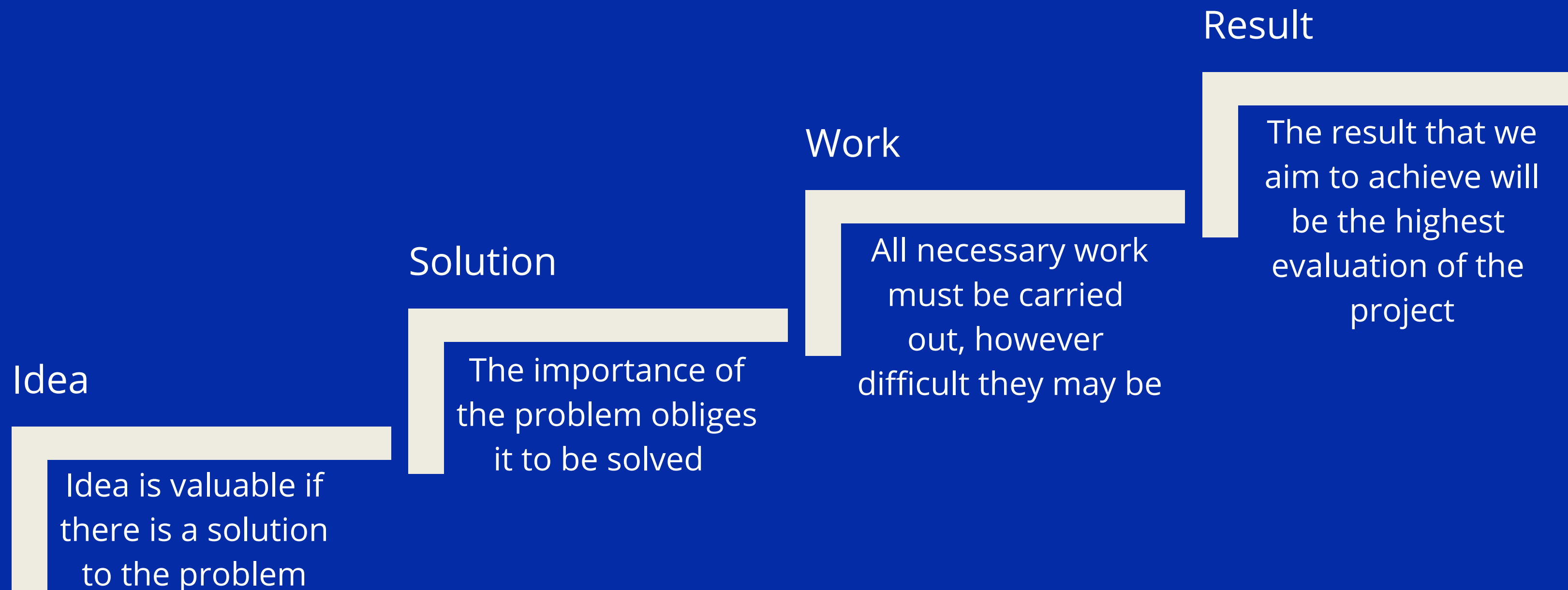
2029

Start of GLADS work
worldwide

Start of airbag data
sales for vehicle
users worldwide

STEP by STEP

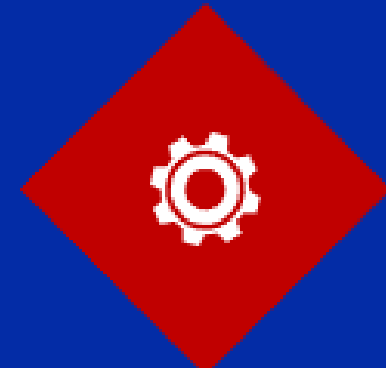
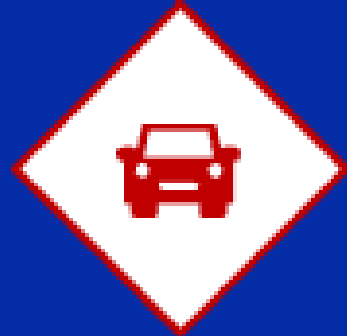
From beginning to finish



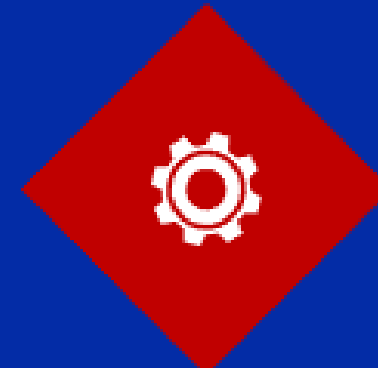
Who owns RFID scanners (testing devices)

Testing device includes software with free lifetime updates support

Car manufacturers

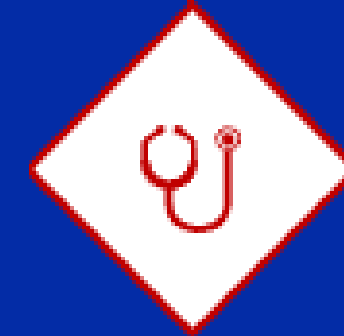


Authorized auto services



Airbag manufacturers

Motor vehicle inspection stations



4 main goals what GLADS will give

INCREASE THE SAFETY OF CAR PASSENGERS



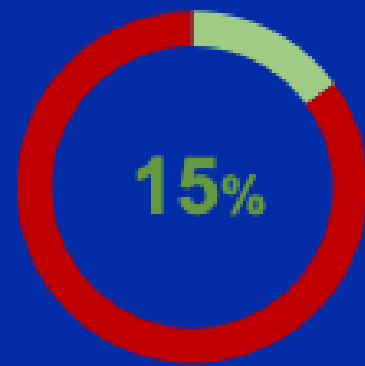
REDUCE AIRBAGS TEFTS TO ZERO

NO AIRBAGS FRAUD ANYMORE

ELIMINATE DEFECTIVE VEHICLES FROM MARKET

How many used car buyers are sure of the presence of airbags in their cars?

Low today



All in future



Will be more tomorrow





Projected figures about new cars, airbags and GLADS, 2025-2026

	2025	2026
Projected new vehicles production in 2025 in mln units	~85	~88
Projected airbag producing 2025 in mln units	~620	~650
Average number of airbags in new car	7,32	7,35
Average new car price 2025 worldwide, €	~31.300	~32.500



Where we will operate?



This is our goal - to become

GLOBAL

We are ready to prepare a detailed operation and business plan and submit it to all interested organizations.
Hope that all of them will become part of the project and become long-term partners.



Best wishes,
Vilmantas Buika



Patents take care of



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