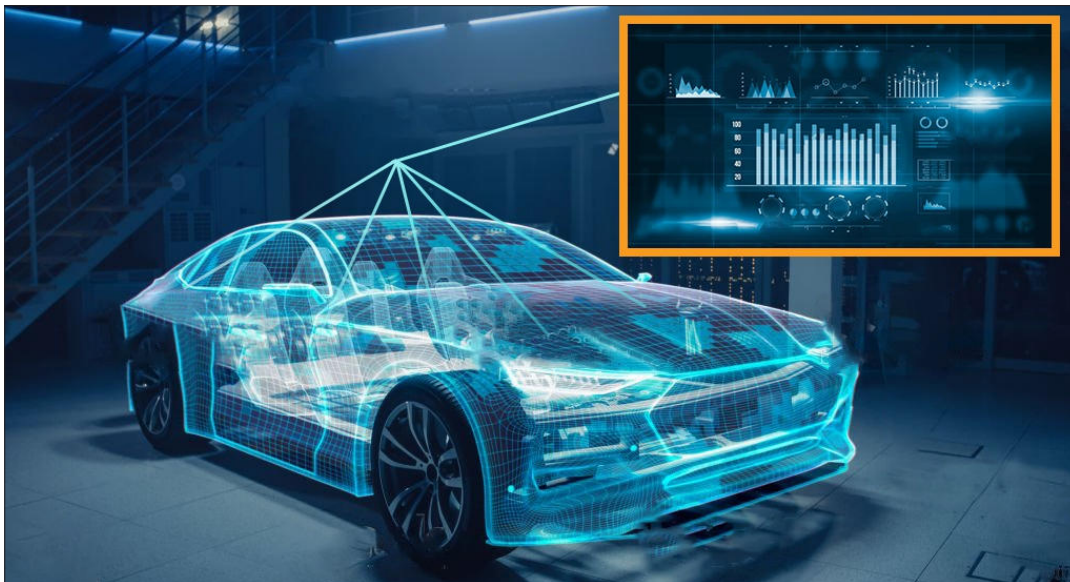




PSMSYSTEMS.IR



PSM

PSMSYSTEMS.IR

ABOUT US

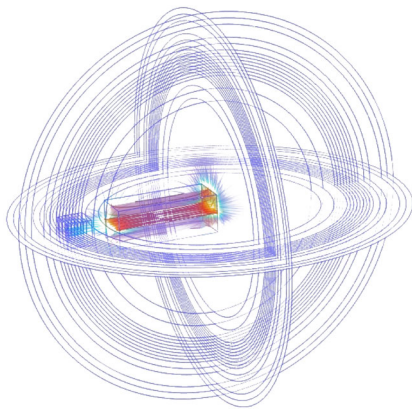
Thanks to its professional and well-experienced technical and executive team, PSM is involved in providing innovative engineering solutions for the customers in automotive industry based on reliable and effective partnership and cooperation with well-known international partners.

With more than 15 years of experience and access to engineering and trading offices in 5 countries with more than 90 employees, PSM's core expertise lies in electrical/electronic devices and systems for automotive industry covering different aspects such as

R&D Test engineering Total solution provision Technology transfer Supply services

The above services are explained here in more details. In addition, PSM has strategic partners in Europe and Russian Federative, among them, NAMI and Zhavoronok are especially introduced herein.

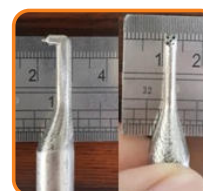
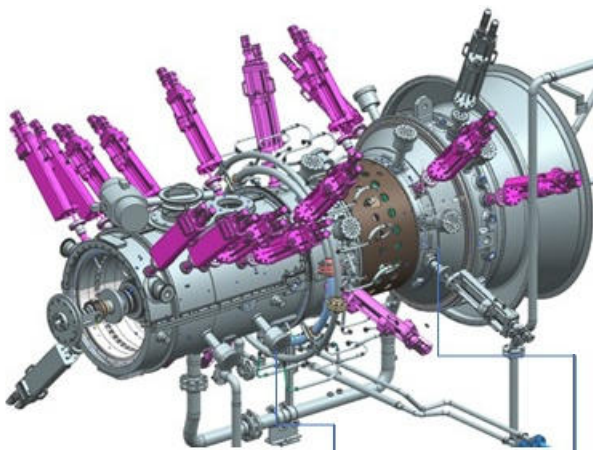
Keeping aligned with the course of our automotive industry trends, PSM clearly supports localization efforts in this field. This support includes not only endeavors for localization of the parts and components but also participation in developing new systems from the scratch. In addition to research and development activities, PSM is also dynamically capable of participating in engineering design, development and production for new parts and products.



2

Test Engineering

PSM with the support of international partners, provides professional services and complex solutions in the field of test and certification on automotive parts, systems and subsystems. Moreover, PSM has a long history of performing engineering tests for railway and powerplant industries which presents PSM as a leading company in the field of industrial tests and relevant infrastructure.



3

PSM helps automotive companies in regulatory approval processes for their new and redesigned vehicles, components and systems. Also, PSM performs tests in accordance with technical specifications, directives and standards and based on particular requirements of our customer. Our test services cover:

- Design and Construction of Test Stands and Infrastructure of Tests-
- Design and Development of Test Software-
- Comprehensive static, dynamic, impact and life tests for vehicles and components-

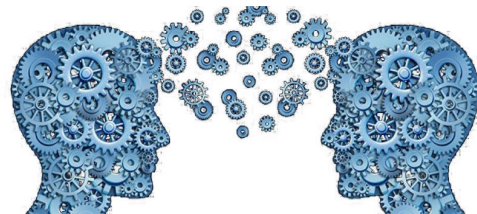


4

Technology Transfer

PSMSYSTEMS.IR

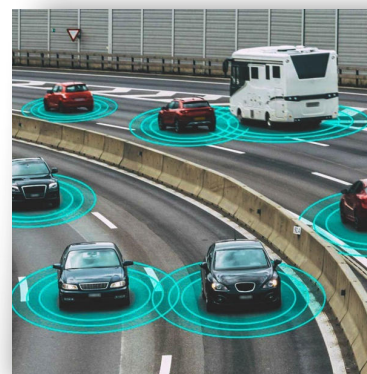
Our local automotive industry has been evolved strongly based on technology transfer and partnership with the giant international players on the market. As an agile mid-size company, PSM has selected a very carefully planned approach to conduct technology transfer projects through which the fundamentals of Iranian automotive industry are being precisely considered.



Total Solution Provision

PSM actively provides total solutions in various fields including but not limited to:

- Electrical and electronic devices
- Electric Vehicle
- Fuel injection systems
- Automotive Sensors



5

Supply Services

PSMSYSTEMS.IR

Based on a global trading network developed by PSM, supply services for different equipment and spare parts from reliable suppliers all over the globe are known as one of the main activities of PSM company.

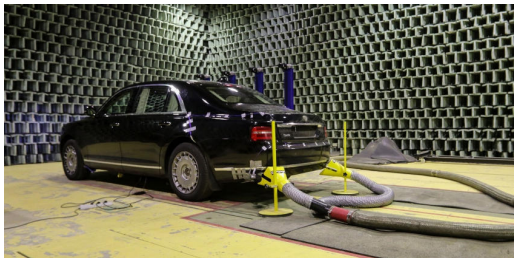


6

Our Partners-NAMI

NAMI is a leading Russian scientific and engineering center counting a hundred years of history and uniting high-class specialists in designing, building and testing of any and all vehicles – from passenger cars to tractors and trains. Their developments became a part of history of all major domestic automobile companies. Today, NAMI works in cooperation with leading global engineering centers.





The largest proving ground in Eastern Europe

including a complex for testing automated and autonomous vehicles fully simulating urban infrastructure

115 km of test roads

on an area of 2500 hectares



1562 pcs.

measuring instruments and test equipment on the territory of 8500 square meters, plus an additional mini test track on the territory of the Engineering Center.

Wind Tunnel

Full-scale wind tunnel to check the aerodynamic performance



8

Main fields of activity

Scientific and educational activities

Engineering and development of all types of vehicles

Interior and exterior design

Production capacities (up to 150 vehicles a year)

Bench and Road (Field) Testing



AURUS vehicles

The key current project of the company is the line-up of the AURUS vehicles developed and produced at NAMI facilities.

10

Our Partners-Zhavoronok

"Zhavoronok XXI VEK" LLC located in Moscow, Russian Federative develops and manufactures electronic Speed Limiting Device (SLD) for tracking, safety and security. Since 2000, they provide installation, repair and calibration of automotive electronics:

- Tachographs
- Engine Control Units
- GPS/GSM tracking systems

In 2012, They started development and manufacturing the Speed Limitation Device model "NK-80" according to international standards.

At the moment more than 40 000 pcs. SLD "NK-80" are installed on various trucks, cars and utility vehicles by established network of over than 150 authorized partners.



**SPEED
LIMIT
DEVICE**



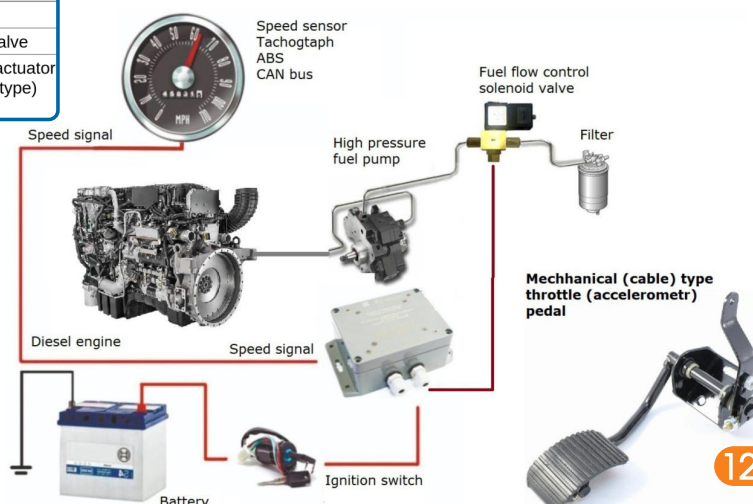
SLD "NK-80"

PSMSYSTEMS.IR

Speed limiter model NK-80 provides unique possibilities to the fleet owners and GPS /GSM, Satellite tracking, monitoring, telematics, security service providers. It forces vehicle speed reduction or immobilization turning engine to the idle mode once getting signals from sensors or command from telematics device or GPS tracker. This enhances road and public safety, protects people's lives and helps to avoid fines and losses of assets and cargo.

	Type of throttle (accelerator) pedal	Type of fuel	Equipment package
1	Electronic (Voltage or PWM)	Any	SLD type NK-80
2	Mechanical (cable/rod type)	Diesel	SLD type NK80 + valve
3	Mechanical (cable/rod type)	Petrol GasDiesel(Dual Fuel System)	SLD type NK-80 + actuator (electromechanical type)

Note: The device DOES NOT SHUT THE ENGINE OFF, this means functioning of brakes and steering proper functioning is NOT AFFECTED in no reasons or circumstances!



12

PSMSYSTEMS.IR

- High engine coolant temperature, low brake fluid level, low engine oil pressure, low engine coolant level, low tire pressure, exceeded distance or time period without service.

- Remote vehicle (not engine shut off) immobilization in safe and effective manner.

- Future reading sensors data from CAN BUS

Most Popular



13



- Speed limiting if vehicle enters or leaves predefined NO-GO ZONE or GEOZONE with specific rate of the speed limit.



- The seat belt is not fastened



- The basket of damper truck in movement remains at the raised position

