KME | autogas systems

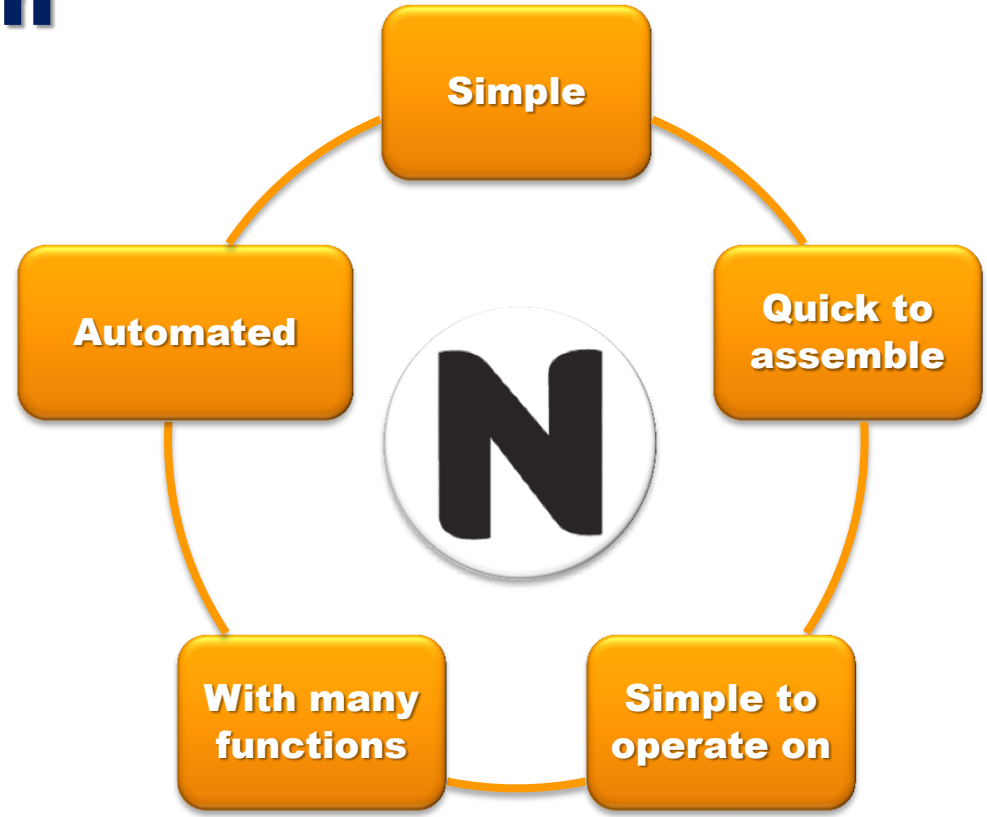
NEVO

NEVO sequential gas injection system

New sequential gas injection system NEVO

- Answer for market expectations
- Modern cars
- Demanding users
- Workshop time saving
- KME trademark

Major assumptions of NEVO system



NEVO controller

- One connector, one harness – quick assembling
- Small dimensions
- Operating with 3- and 4-cylinder engines
- Providing automatic configuration and calibration of the system

NEVO-PLUS controller

- Operating with 3- to 8-cylinder engines
- Small ECU dimensions
- 4 easy to configure analog inputs (Lambda sensors, temperature sensors) and 2 analog outputs
- Configurable +12V output

NEVO-PRO controller

- Operating with 3- to 8-cylinder engines
- Small ECU dimensions
- 4 easy to configurate analog inputs (Lambda sensors, temperature sensors) and 2 analog outputs
- Configurable +12V output
- Integrated OBD module

New enlarged group of NEVO products

	NEVO	NEVO-PLUS	NEVO-PRO
Standard NEVO functions	✓	✓	✓
Maximum number of cylinders	4	8	8
Additional analog inputs	✘	✓	✓
Analog outputs	✘	✘	✓
Controllable output	✘	✓	✓
Integrated OBD	✘	✘	✓
Cooperation with OBD v2 Adapter	✓	✓	✘

New driver's panel

- Built-in buzzer
- Buzzer volume adjustment
- Connector
- Two diodes indicating state (red and blue)
- Configurable options with software

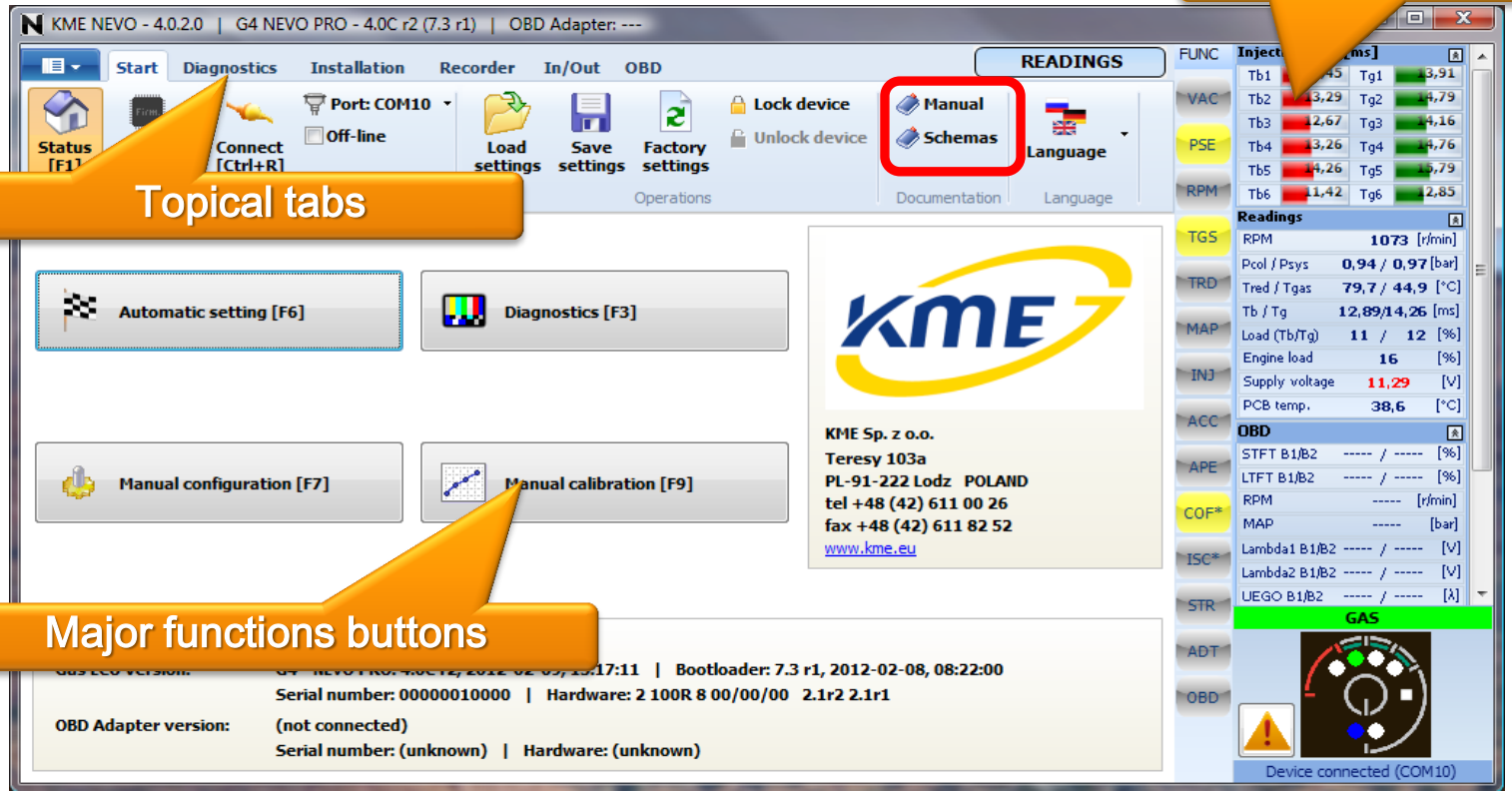
New driver's panel

- Reminder of forthcoming inspection of gas instalation
- Function of automatic switching to gas supply
- Function of automatic switching to petrol in case of lack of gas
- Function of automatic reading of the level of gas in the tank
- Function of automatic adjustment of brightness of the panel diodes
- Displaying the time to switching (during enigne heating)
- Emergency start on gas function

New software for NEVO system

- Legible look of the interface
- Easy to operate
- Always visible major values of the system
- Special „FUNC” panel informing of active functions
- Maximal ergonomy of work and quick system configuration
- Separate readings window helpful during calibration process

Program interface

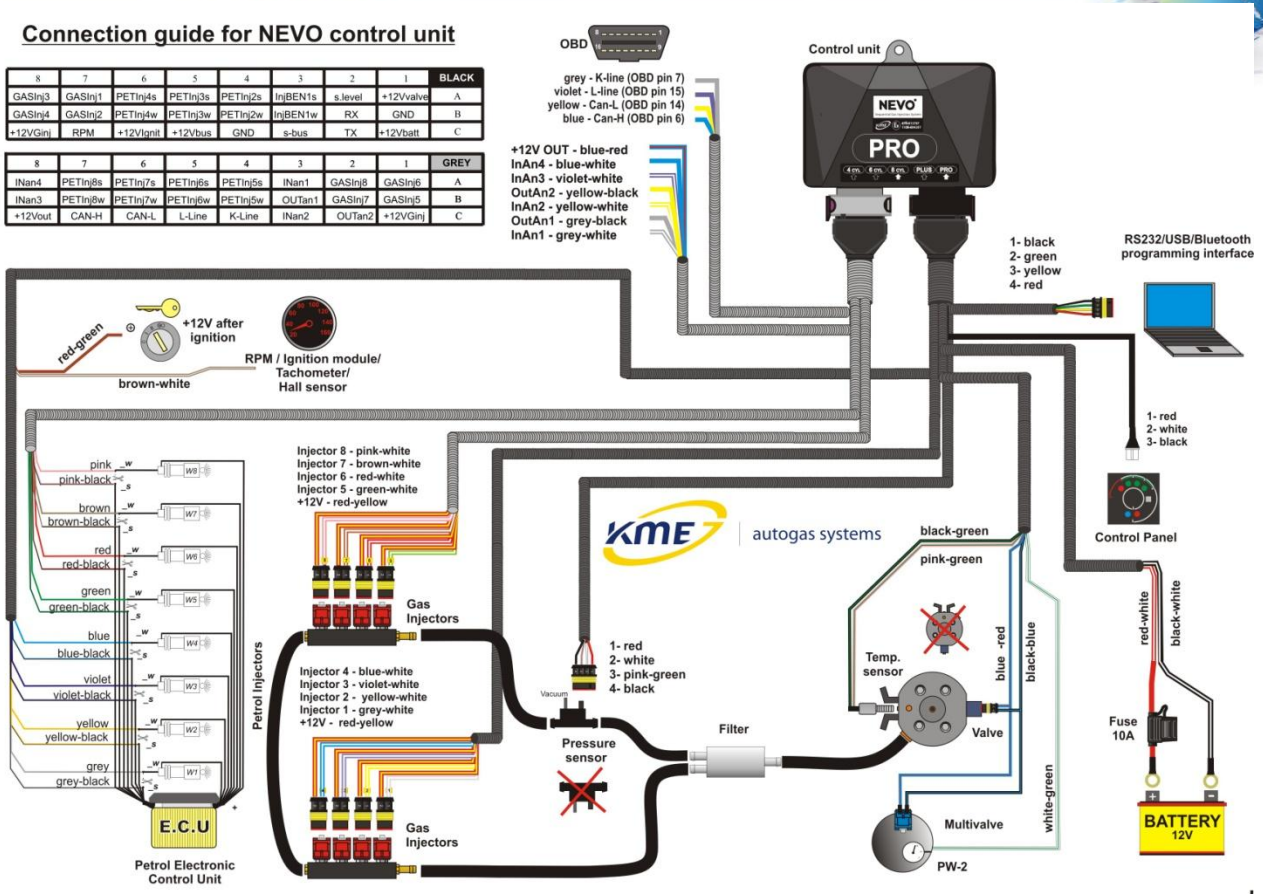


NEVO-PRO

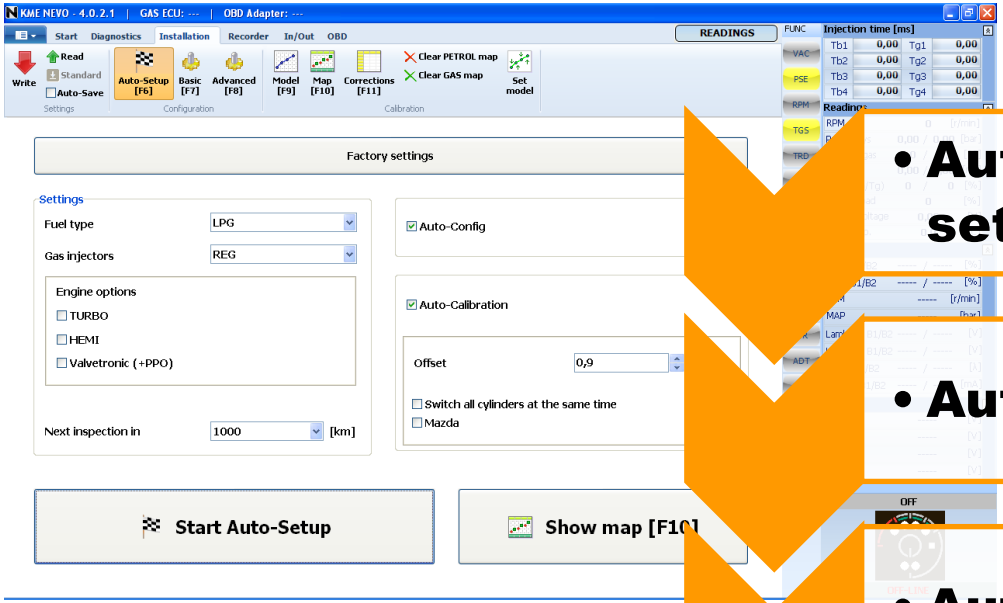
Connection guide for NEVO control unit

8	7	6	5	4	3	2	1	BLACK
GASInj3	GASInj1	PETInj4s	PETInj3s	PETInj2s	InjBEN1s	s.level	+12Vvalve	A
GASInj4	GASInj2	PETInj4w	PETInj3w	PETInj2w	InjBEN1w	RX	GND	B
+12VGinj	RPM	+12VIgnit	+12Vbus	GND	s-bus	TX	+12Vbatt	C

8	7	6	5	4	3	2	1	GREY
INan4	PETInj8s	PETInj7s	PETInj6s	PETInj5s	INan1	GASInj8	GASInj6	A
INan3	PETInj8w	PETInj7w	PETInj6w	PETInj5w	OUTan1	GASInj7	GASInj5	B
+12Vout	CAN-H	CAN-L	L-Line	K-Line	INan2	OUTan2	+12VGinj	C

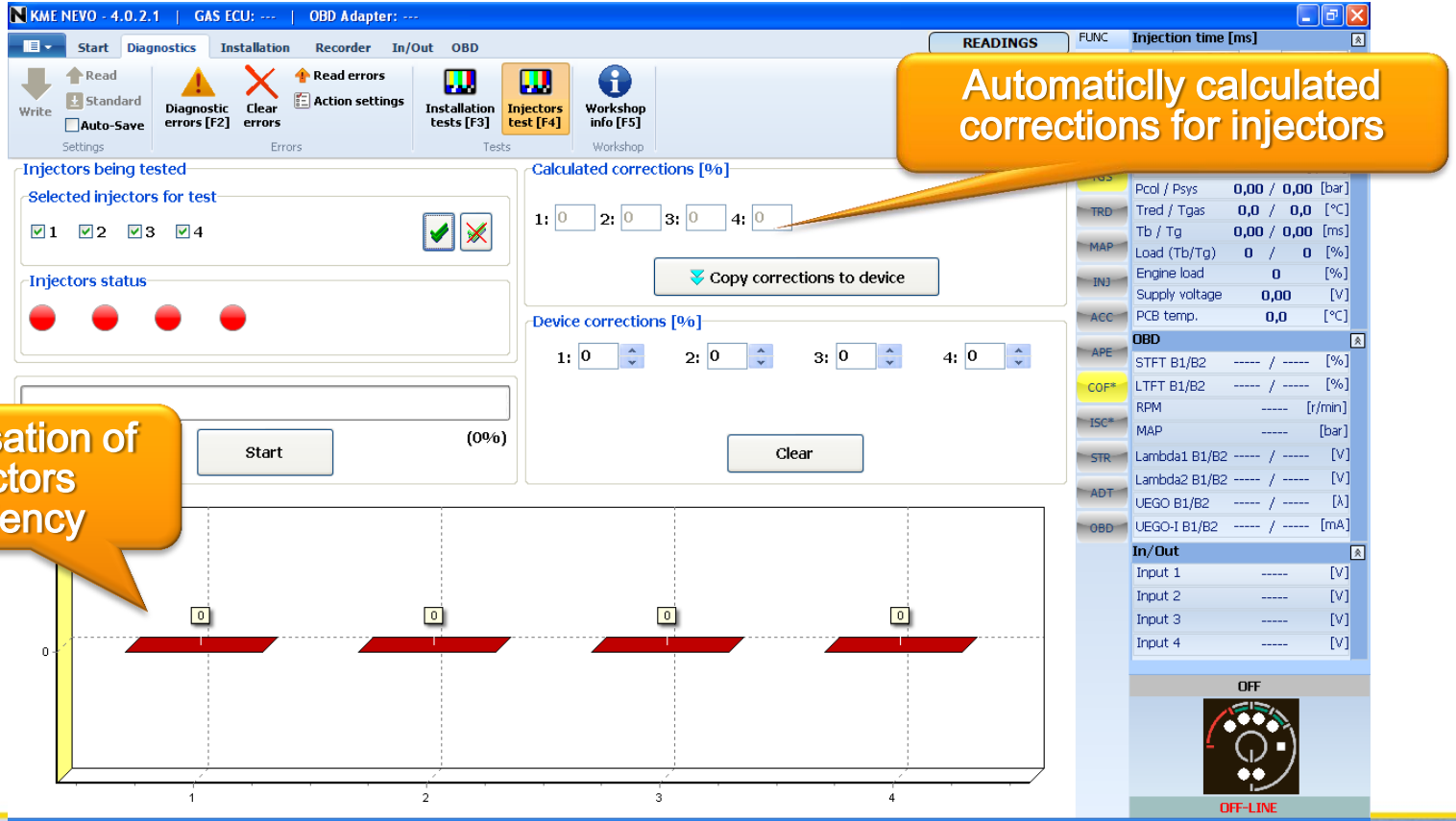


Innovative solutions - Autosetup



- **Auto-configuration - automatic setting of key engine parameters**
- **Autocalibration at idle**
- **Autoverification**

Built-in test for gas injectors



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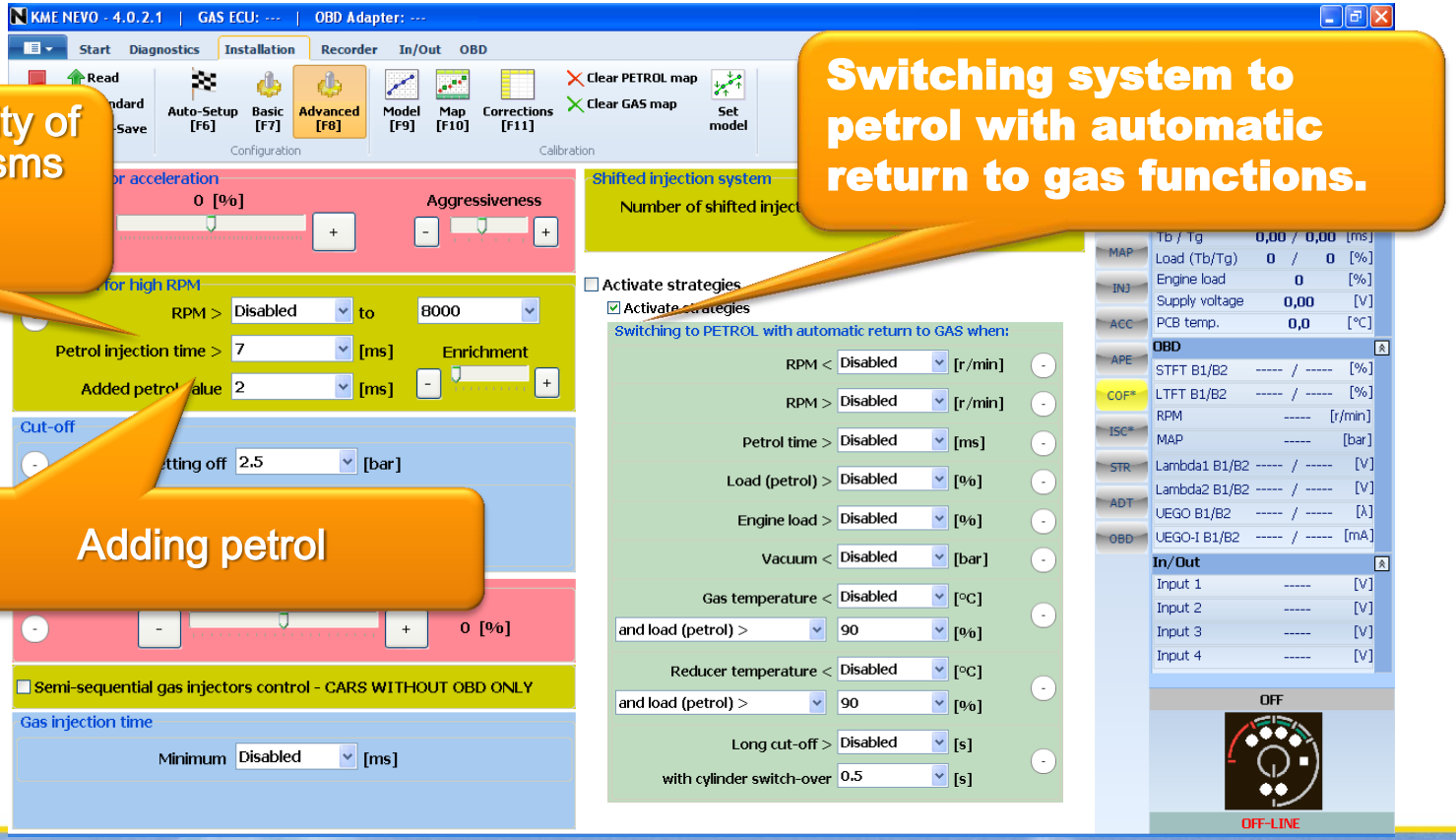
Innovative solutions



Indicator of the activity of particular mechanisms

0 1

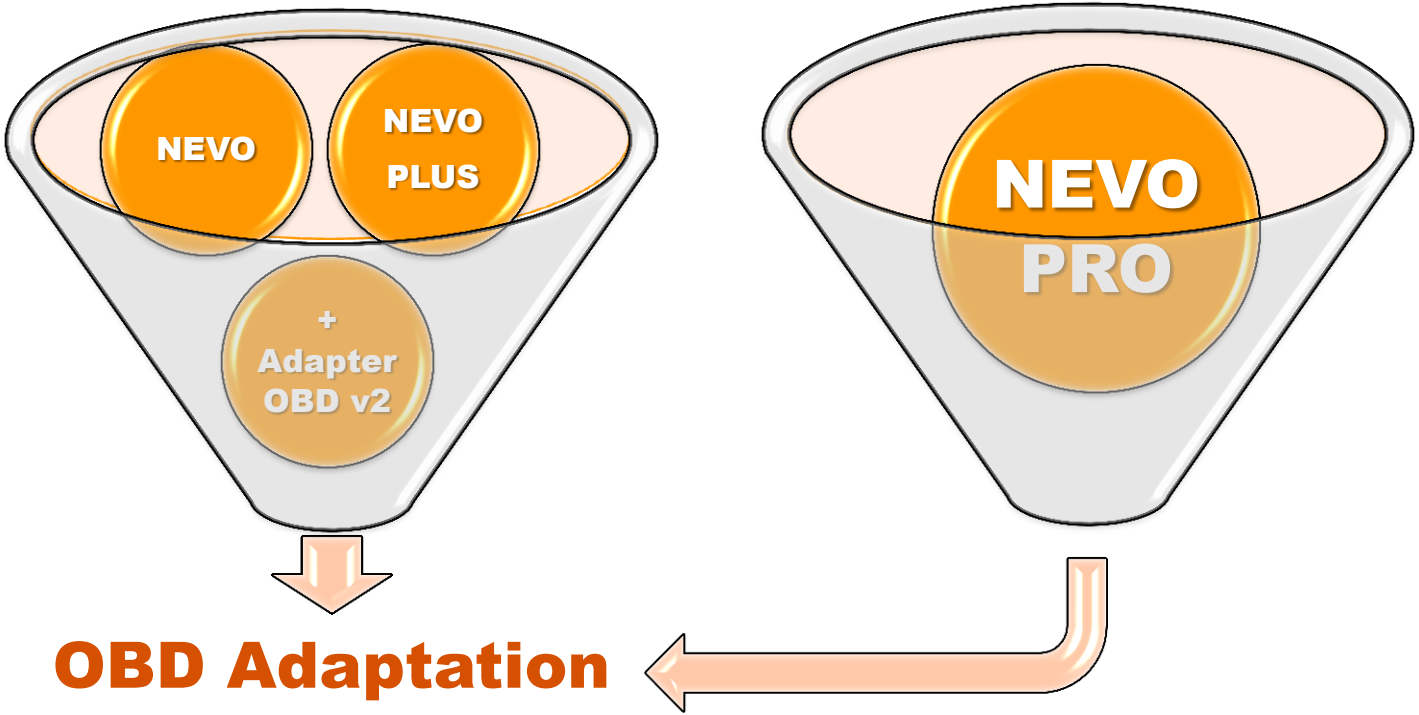
Switching system to petrol with automatic return to gas functions.

Adding petrol

Innovative solutions – Map adaptation

- **Automatic adaptation according to maps – in the whole range of RPM**

Innovative solutions – OBD Adaptation



OBD Adapter v2

- Cooperation with NEVO and DiegoG3 family
- Can operate without gas system as OBD scaner
- OBD Live Data (with registration possibility)
- Trouble codes clearing
- Modifies gas dose on the basis of information gathered from the OBD interface of the petrol controller

New functions of the controller

- Opportunity of choosing the type of temperature sensor of the reducer
- Sequential return to petrol
- Configurable switching delay
- Advanced self-diagnosis system
- Registration of working time on petrol and on gas

New functions of the controller

- Configurable RPM range of collecting map points (standard 1500-3000rpm)
- Configurable map points accuracy
- „Set model" function which automaticly calibrate the system

Five steps of calibrating NEVO system

1. Start NEVO program
2. Push Automatic settings (F6)
3. Choose Autosetup options and push „Start Auto-Setup”
4. Wait for verification of Auto-Setup adjustments
5. For the precise adjustment, colect map points on petrol and gas and choose „Set model” function
6. The end of the calibration process