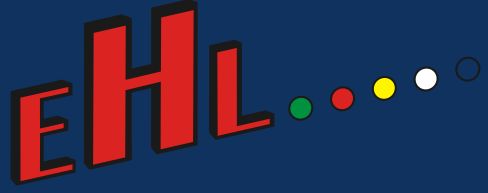


**SMART  
SOLUTIONS FOR  
AUTOMOTIVE  
INDUSTRY**

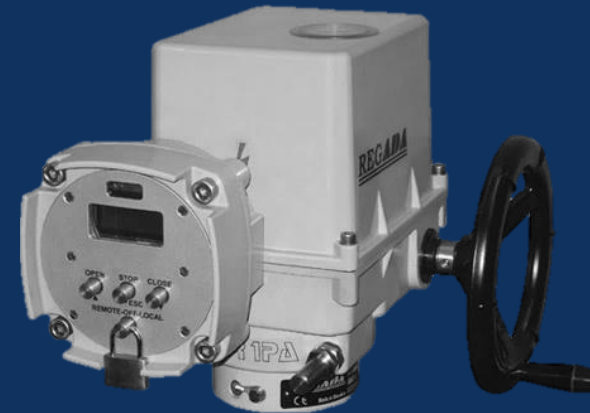
**EHL** . . . . .



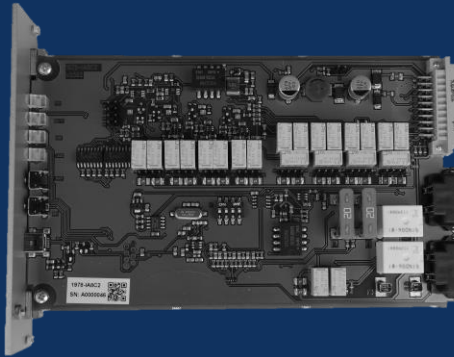
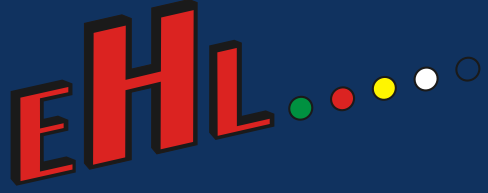
End of line testing in Automotive industry



CAN/LIN devices



Control systems for actuators



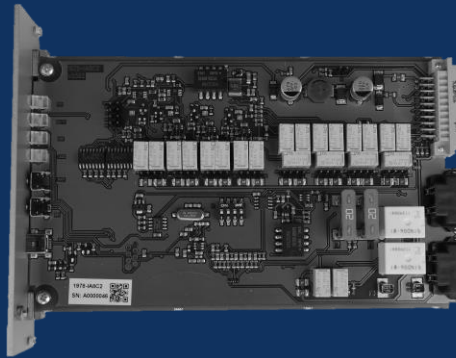
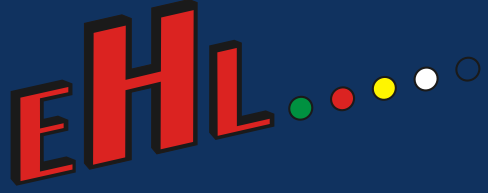
End of line testing in  
Automotive industry



CAN/LIN devices



Control systems for  
actuators



End of line testing in Automotive industry



CAN/LIN devices



Control systems for actuators

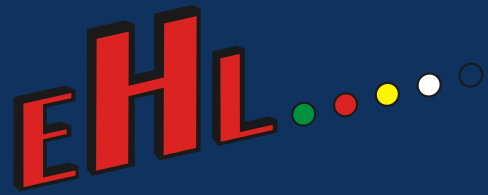
EHL...

## References



**Rockwell**  
Automation





Project with ŠKODA AUTO (Project Ezlog)

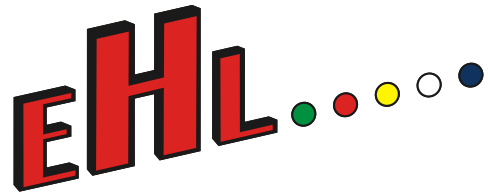
- Smart electronic log book for internal testing fleet of the serial and prototype cars

### **OBD dongle for Ezlog**

- Collecting data from the car ride
- Identification of the driver



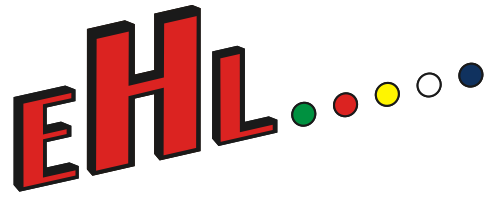
**ŠKODA**



- Small and compact
- Connectivity to the smart phone or tablet
- Car diagnostics reader
- RFID identification (LEGIC personal cards)



## OBD DONGLE FOR EZLOG



- Monitoring tank level
  - Gasoline/Diesel, CNG, electricity
  - Helps to monitor the expenses on gas or charging
  - Pairing the bills with the refuelling



## REFUELLING



**EHL**...

- Evaluating the speed using:
- Speed from traffic signs sensed by camera



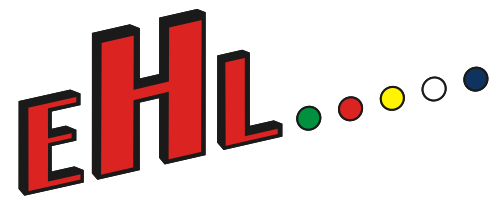
**SPEED  
CONTROL**

**EHL**...

- Service intervals
- Inspection intervals
- Helps to plan the maintenance on the car



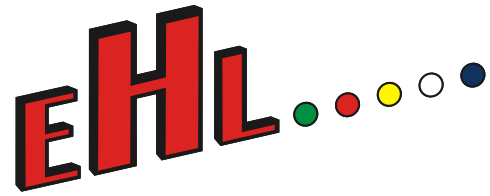
**MAINTENANCE**



Actual mileage during the car life cycle



**MILEAGE**



- Identification of the driver
- RFID reader for LEGIC cards
- Possibly LEGIC Connect



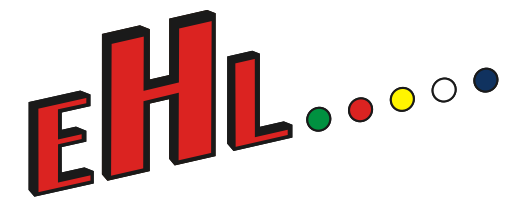
## **DRIVER'S IDENTIFICATION**

# EHL...

- Standard OBD connector
- Easy update via USB or Bluetooth
- The device detects the type of vehicle to choose the communication protocol



## EASY TO USE



Integrate the solution in further VW group brands



**NEXT STEPS**

**EHL** ●●●●●



**LEGIC SM-6300 based OBD  
dongle for EZlog**

**CONCLUSION**

# THANK YOU FOR YOUR ATTENTION

 Jan Hakl

 [jan.hakl@ehl.cz](mailto:jan.hakl@ehl.cz)

 +420 777 303 585



**EHL elektronika s.r.o.**

 [ehl.cz](http://ehl.cz)

 Smetanova 458  
294 01 Bakov nad Jizerou

CZECH REPUBLIC