

# CONCEPTHYPE

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# WHO WE ARE

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CONCEPTHYPE is an engineering company ready to sort out any issue, from concept to the final product.

Our target?

Quick problem solving



# HOW WE DO IT

## PASSION

We build teams of experts who love what they are doing.

## SPEED

Focus on achieving defined goals.

Maximizing team chemistry leads to more efficient work.

## CHEMISTRY

We don't lose time. We start finding solutions.

## ACTION

# OUR PROCESS

ANALYZE

We analyze your problem and focus on the key points and hot topics.

SOLUTION

We look for multiple solutions based on your needs, time frame and budget and pick together the best one.

ACTION

Key guys found suitable for your needs start working without any intro or onboarding.

# WHERE WE ARE

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ROMANIA



# WHAT WE KNOW

## PROCESS

- PROCESS ENGINEERING
- PROCESS OPTIMIZATION
- ASPICE
- V-CYCLE

## SYSTEM ENGINEERING

- SYSTEM REQUIREMENTS AND ARCHITECTURE.
- DV/PV
- D-FMEA MANAGEMENT
- FTA MANAGEMENT
- CUSTOMER INTERFACE

## DEVELOPMENT

- FULL AUTOSAR BSW COVERAGE
- CYBER SECURITY
- RTE
- APP (MODEL BASED DEV)
- DRIVERS DEVELOPMENT
- BUILD ENVIRONMENT

# WHAT WE KNOW

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## ARCHITECTURE

- SOFTWARE REQUIREMENTS
- SOFTWARE ARCHITECTURE
- DETAILED DESIGN
- INTEGRATION

## TESTING

- SOFTWARE TESTING
- SYSTEM TESTING
- HIL
- VALIDATION



# WHAT WE KNOW

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## TECHNOLOGIES

- AUTOSAR
- EMBEDDED C
- CYBER SECURITY(HSM)
- BOOT MANAGER
- FLASH BOOTLOADER
- CAN, CAN-FD, I2C, SPI, NFC
- UDS
- XCP
- SBC
- MCAL

## TOOLS

- VECTOR SUITE: CANOE, CANDELA, CANALYZER, ARXML EXPLORER, DBC EDITOR, GENY, DAVINCI CONFIGURATOR, DAVINCI DEVELOPER, VECTOR CAST, DIVA
  - ELEKTROBIT TRESOS
  - PICOSCOPE
  - TESSY
  - IBM DOORS
  - IBM RHAPSODY
  - ENTERPRISE ARCHITECT
  - MONACO DTS
  - AKKA NTS
  - iSYSTEMS WINIDEA
  - iSYSTEMS TESTIDEA
  - LAUTERBACH TRACE32
- UC:
- INFINEON AURIX TC3XX
  - RENESAS RH850
  - RENESAS RL78

SOME OF OUR PROJECTS

SMART BELT TENSIONER  
(QM)

ADAS  
(ASIL B)

INSULATION  
MONITORING DEVICE  
(ASIL B)

DCDC CONVERTER  
(ASIL B)

# RAPID PROTOTYPING OVERVIEW (SMART BELT TENSIONER)

Challenge: A team of 4 members should prototype a functional ECU in just 4 months (cyber security - mandatory)

1

Task assignments based on team members' strengths

3

Daily synchronization to see how can we maximize our results

5

2

Planning: where we are, next steps and goals

4

Our experts get to work directly without any intro/onboarding

6

Outcome: Customer satisfaction; Project is continued by our team

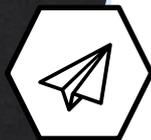
# LET'S TALK



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