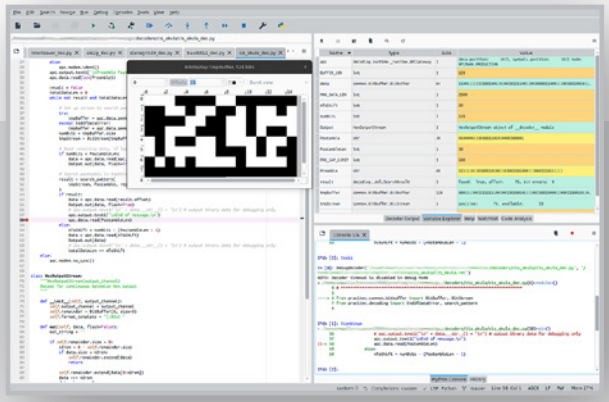
GO2SIGNALS
PYDDL TRAINING

PYTHON-BASED DECODER DESCRIPTION LANGUAGE (PYDDL) FUNDAMENTALS FOR DEVELOPING AND ADAPTING PYDDL SIGNALS DECODERS

In this training course, Students are introduced to the fundamentals and general use of the Python-based Decoder Description Language (pyDDL). All essential commands are discussed in detail. The course focusses towards adaptation of existing decoders, design of new decoders, and use of the Decoder Development Environment based on Spyder. The course also captures the basics of channel coding and the fundamentals of forward error correction techniques. Upon completion of the course, Students will be able to use pyDDL to modify and create new decoders for use in the go2signals range of software products.



ORDER-NUMBER
TRN-DDL

COURSE CONTENT

- Lectures and practical exercises
- Introduction and Overview
- Basic Steps to Create and Modify Decoders
- Discussion of Simple Decoder Programs
- Use of Decoder Development Environment
- Detailed Discussion of Vital Commands
- Special Aspects of Automatic Production
- Exercises in Writing Simple Decoders
- Methods for Error Detection and Correction
- Integration of Customer Packages or Libraries

TARGET AUDIENCE

- Technical staff involved in writing, modifying and adjusting decoders.

COURSE DURATION:

4 days / 32 training hours for a maximum of 5 Students

DOCUMENTATION:

Electronic training documentation (English)

TRAINING SYSTEMS:

Necessary hardware is provided by PROCITEC

COURSE LOCATION:

PROCITEC HQ, Pforzheim, Germany

TRAINING LANGUAGE:

German; English - At least CEFR level B1 necessary, level B2 or higher strongly recommended

Entry Criteria: Completion of go2DECODE Basic Training and experience in the Python programming language; it is strongly recommended that all Students per-course have a similar start-state