



# Converter | Tec

Founded in 1969 as SEG in Krefeld, Germany - grown under Woodward for more than 10 years - ConverterTec is a global specialist in electric power conversion. Since 1995, first variable-speed Concycle® generators and power conversion technology is being used in marine applications, Uninterruptible Power Supply as well as in upcoming wind and solar/PV applications.

As of today we are looking to a legacy of more than 23,000 converter systems in on- and offshore applications, shipped to 47 different countries worldwide, which correspond to more than 45GW.

Our R&D centers in Kempen, Krakow and Sofia as well as our global service hubs support our global customer base on all continents.

## In Niepołomice we are looking for a SOFTWARE CONTROL ENGINEER

### Your Tasks:

- Control System Architect for multicore applications,
- Design of control algorithms on XC167 and Bachmann PLC,
- Design of closed loop control algorithms on fixed point DSP (56321VF275),
- Design of closed loop control algorithms on floating point processor (TI Delphino family),
- Design of boot loading mechanism inside multiprocessor architecture,
- Root cause analysis in software architectures,
- Design of fieldbus protocols like CANopen, Profinet, Modbus via Anybus modules,
- Design of functions inside NIOS II (Softcore),
- Leadership in sub projects.

### Your Profil:

- 2+ years of experience in a support related role,
- Knowledge of:
  - C/C++, Python, VHDL,
  - Multiprocessor architecture,
  - Matlab Simulink.
- Use and understanding of SCM systems (preferred knowledge is Perforce),
- Use of requirements managements systems,
- Deep know with converter and electrical machines,
- Solid communication skills,
- Solid navigation inside global team structure,
- Fluency in English,
- Nice to have:
  - Create scripts for automatic build machines (Scons based)
  - Usage of HIL systems for test execution (Typhoon)
  - OPC-UA
  - Model based Design / code generation
  - Quartus, DOORS, VHDL, Redmine.

### What we offer:

- great work conditions inside a worldwide group,
- permanent employment contract (after probation period),
- private healthcare by Luxmed,
- Mybenefit (Multisport) platform,
- life insurance,
- career development opportunities.

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