APOSS® is a programming language that offers an optimized syntax for efficient programming of drive solutions. Even very complex positioning and synchronization functions can be initiated with APOSS using simple commands (e.g. POSA, POSR, SYNC, SYNCV, SYNCNC) and will run completely autonomously as background tasks.

And unlike typical PLC systems, APOSS interrupt functions allow fast, real-time reactions that are independent from the program main loop cycle time.

**Motion Control Library**

The specialized APOSS drive engineering commands within the Motion Control Library are freely available with every zub control. The Motion Control Library is completely license free.

**Motion Control Functions**

- Drive (motor parameters) and motion configuration (speed limits, etc.)
- Absolute/relative, jerk limited positioning
- Referencing / speed control
- Speed / position / marker synchronization with/without marker correction
- CAM profiles: curve synchronization with/without marker correction
- Path traversal for any number axes with constant or maximum path velocity
- Data recorder: Background sampling of motion data

**CANopen and EtherCAT**

- CANopen master and slave functionality
- EtherCAT slave functionality (CoE) and EtherCAT master functionality
- EtherNet TCP-IP support

**Your Advantage**

The zub library is industry-tested and offers practice-oriented motion control solutions for almost any hardware platform.

zub machine control AG is not just supplier of the software but also an engineering consultant and system integrator. We can offer any kind of service in the areas of consulting, hardware and software development, employee training and customer support.

✔ Reduce your development risk.
✔ Reduce the time-to-market.
✔ Use zub’s expert knowhow - your motion control experts!