

# Diploma Thesis: **FLAME - Flexible robot Arm for Mobile Expandable systems**

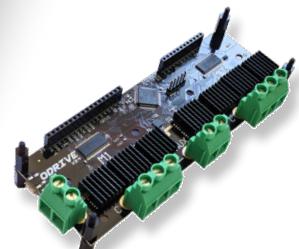
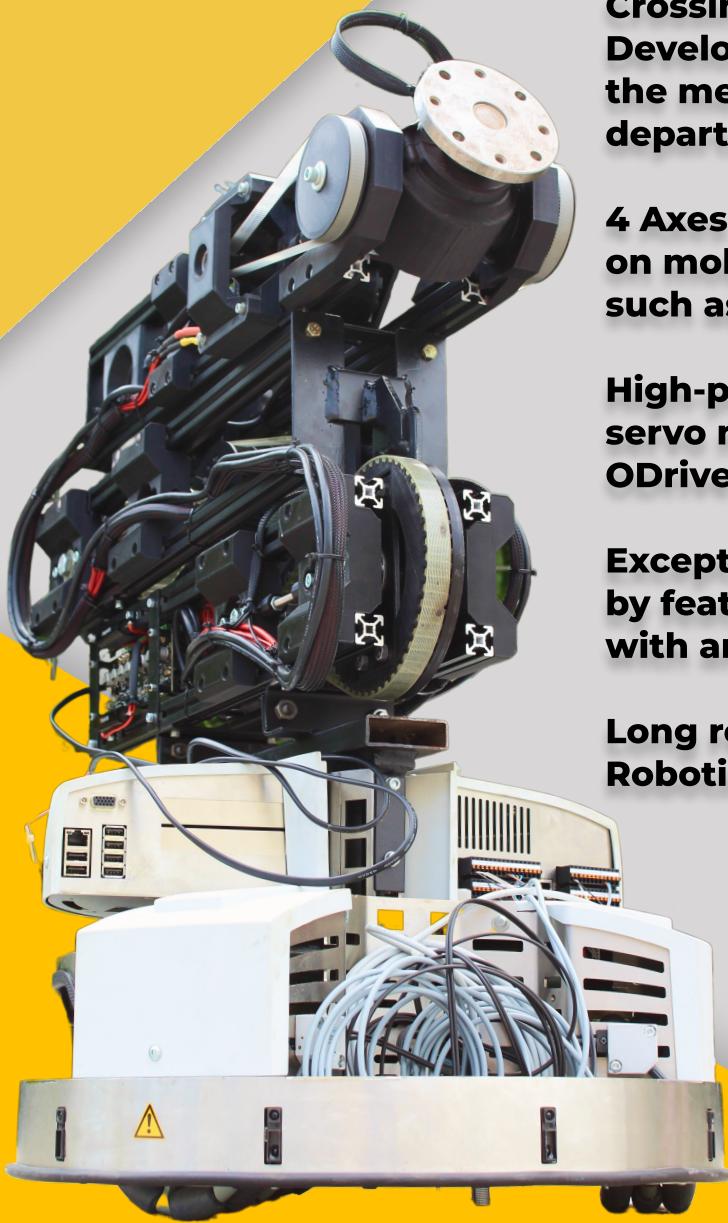
**Crossing boundaries:**  
Developed in close cooperation between  
the mechanical engineering and IT  
department

**4 Axes for maximum flexibility**  
on mobile robotics platforms  
such as the Festo Robotino

**High-performance BLDC**  
servo motors with the use of  
ODrive motion controllers

**Exceptionally universal**  
by featuring Arduino control  
with an Ethernet Interface

**Long reach makes use of**  
Robotino's full potential



**ODRIVE**  
High performance motor control



**htl** wiener neustadt

Höhere technische Bundes-  
Lehr- und Versuchsanstalt

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