

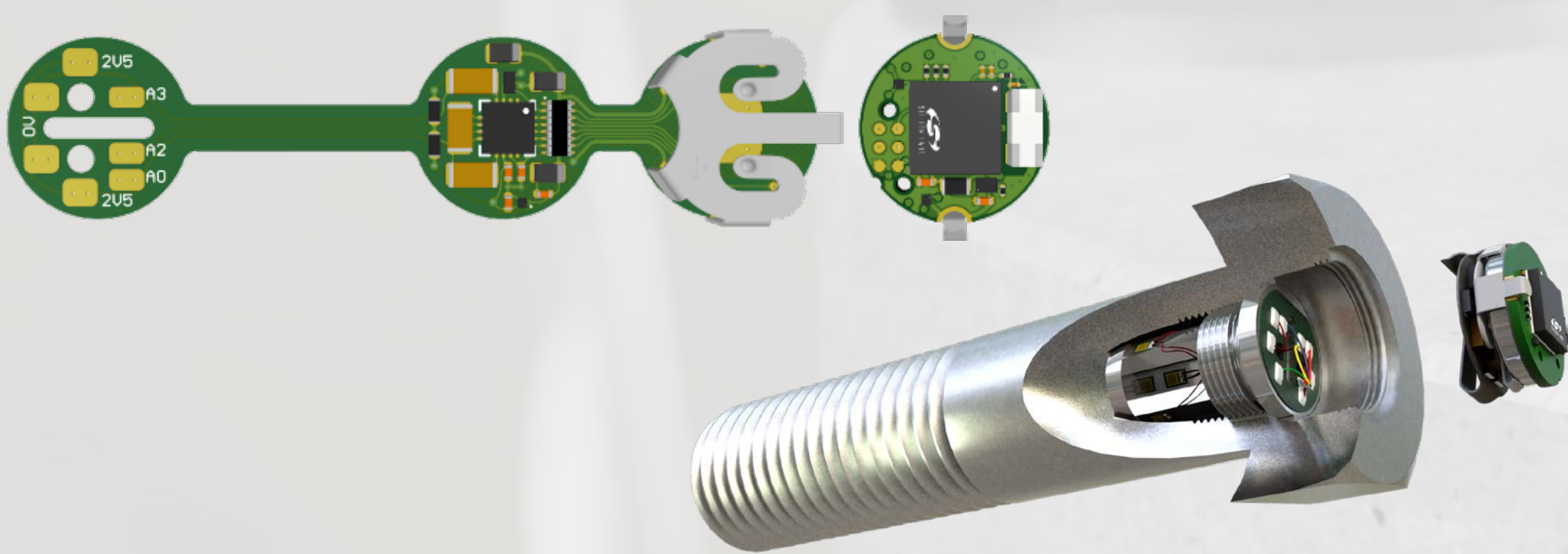
SiSmaK

Sensor-integrating bolts for
multiaxial force measurement

Electronics

Flexible – foldable electronics are inserted into the cavity

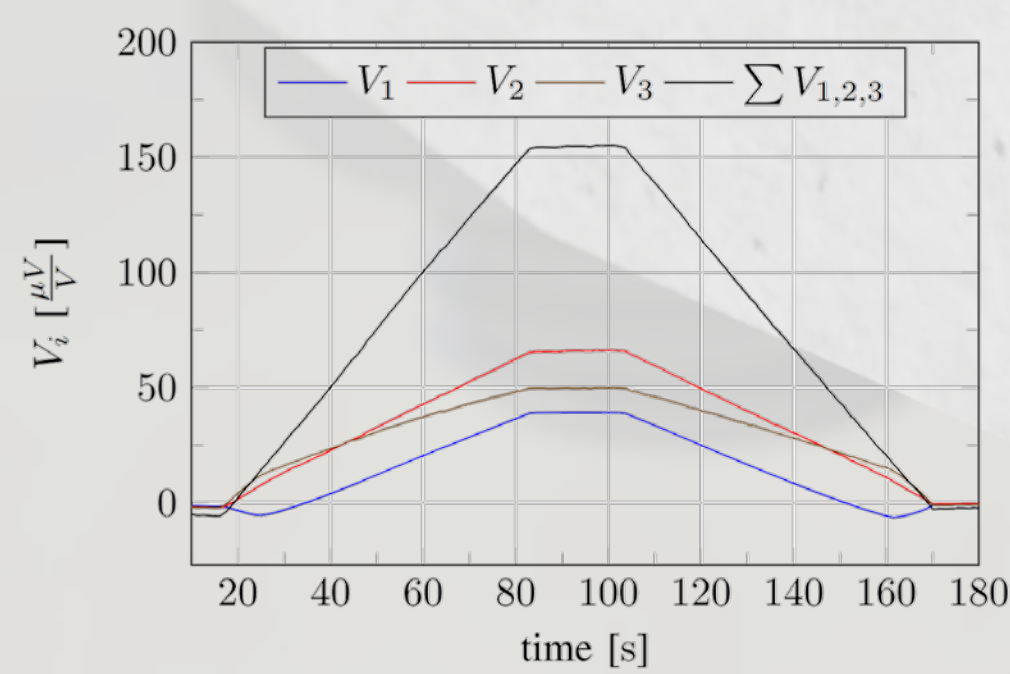
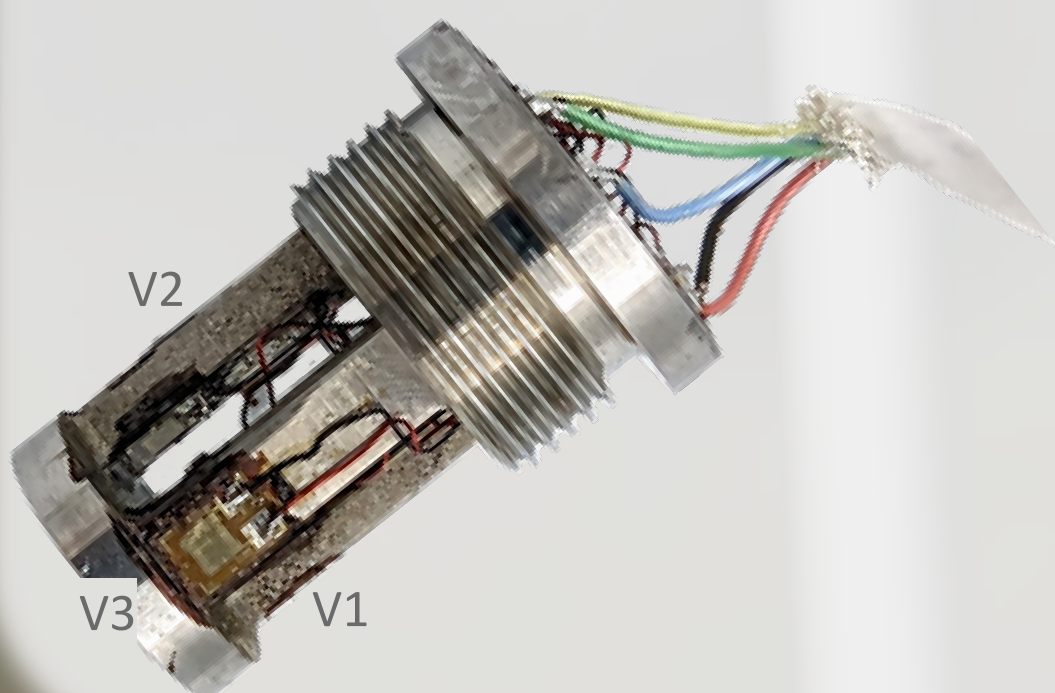
Modular – exchangeable communication and harvesting controller



Sensor

Multi-axial measurement – separation of load vectors

Compensation of disturbances – inherent and simultaneous



Methodology and Design Space

Overcome – missing design knowledge and conflicts of objectives

Identify - suitable design spaces by optimization function fulfillment

Balance – mechanical versus sensory function

