



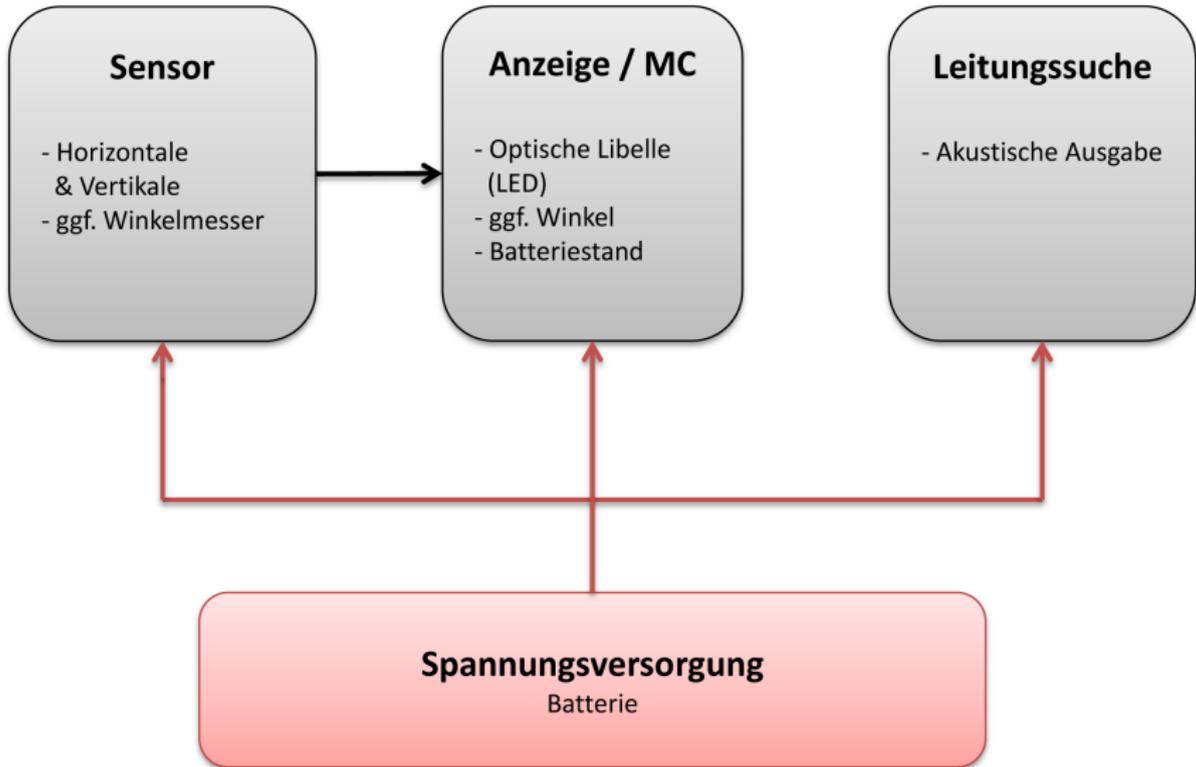
Projektlabor - WS 2011/2012

Abschlusspräsentation

Kyra Ulrich

**Institut für Elektrotechnik und Informatik
Technische Universität zu Berlin**

31. Januar 2012





- Sensorik
- Anzeige
- Leitungssucher
- Vorführung



Sensorik

- Aufgabe
- Neigungssensor
- Verstärkung
- Filter

Anzeige

Leitungssucher

Vorführung



Die Gruppe1 ist verantwortlich für die Sensorik der Wasserwaage.

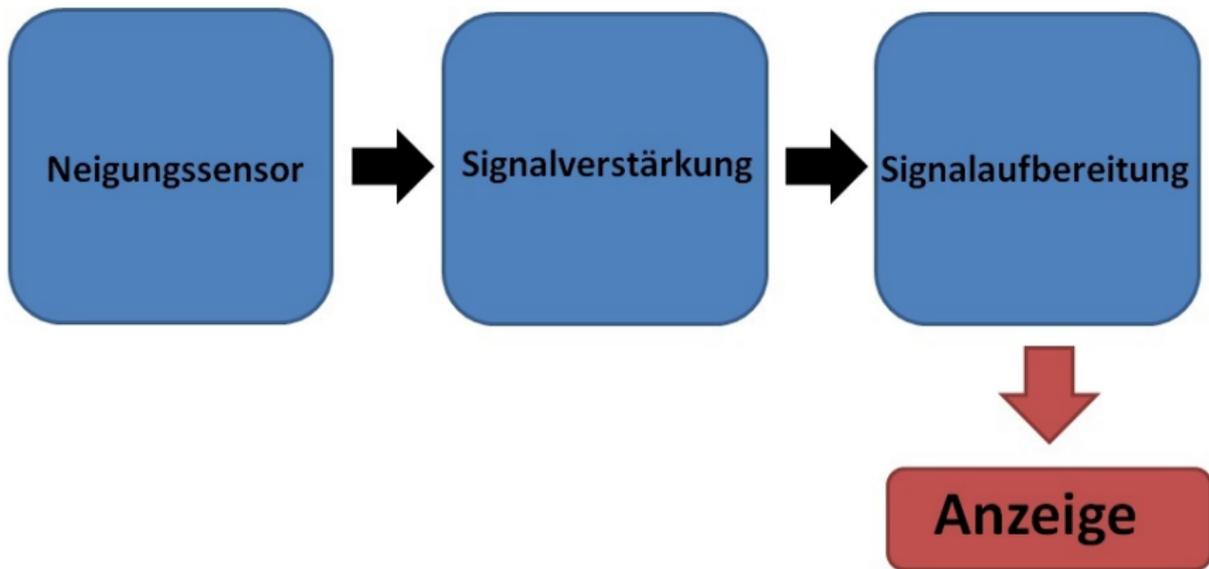
Teilnehmer:

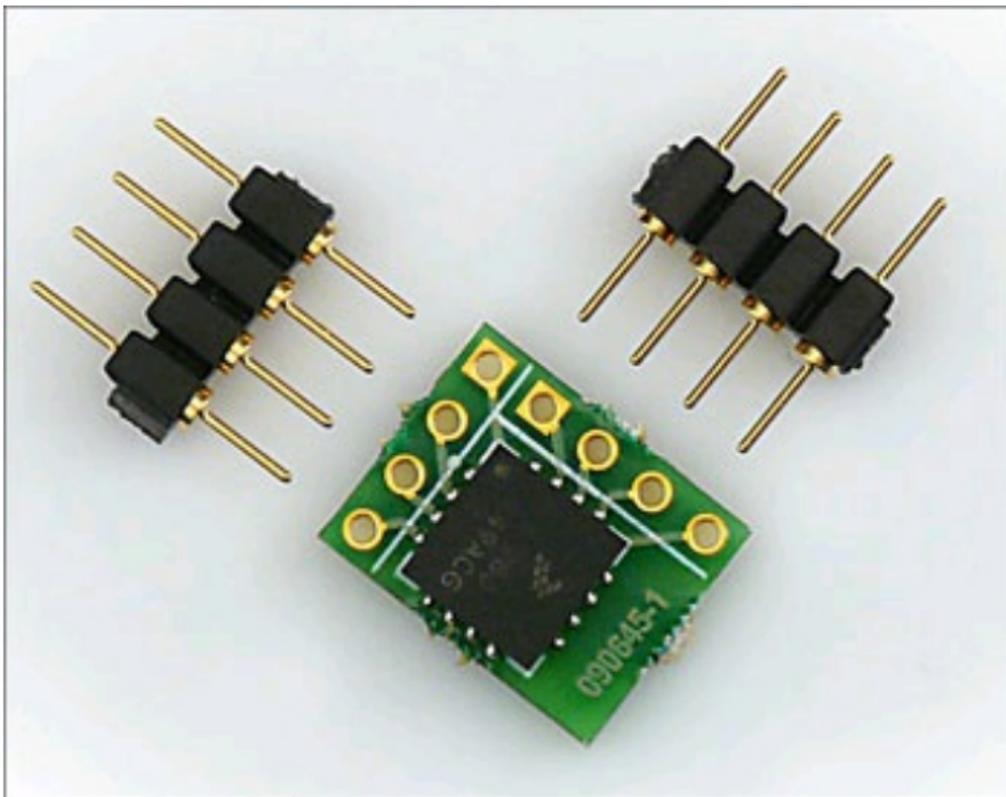
David Schwarzer, Yakup Cat, Jong Yoon Georg Schott, Serge Lopez Nunez, Tim Klewe Vincent Reeder, Marko Kissman, Abdulrahman Alyami

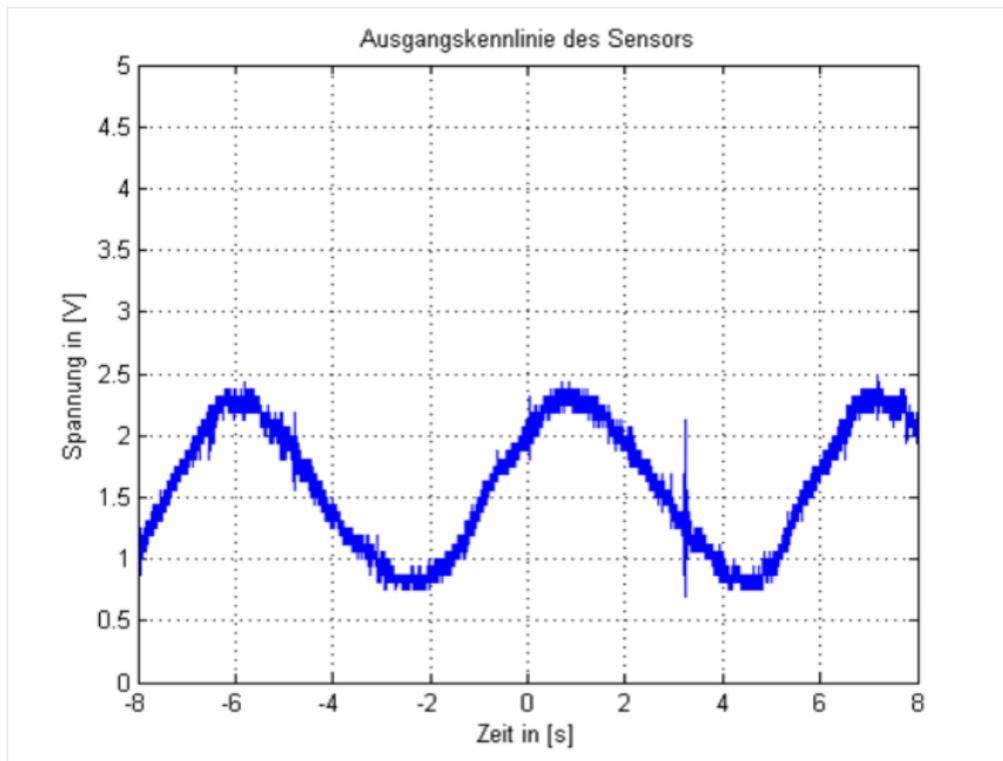
Tutor: Sven

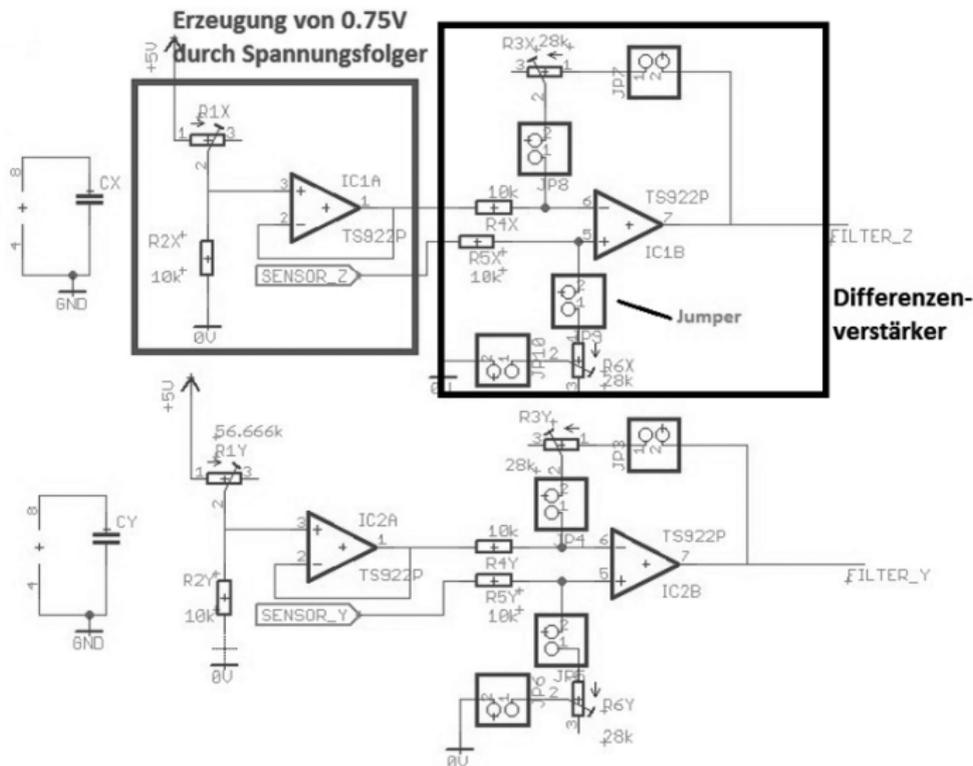


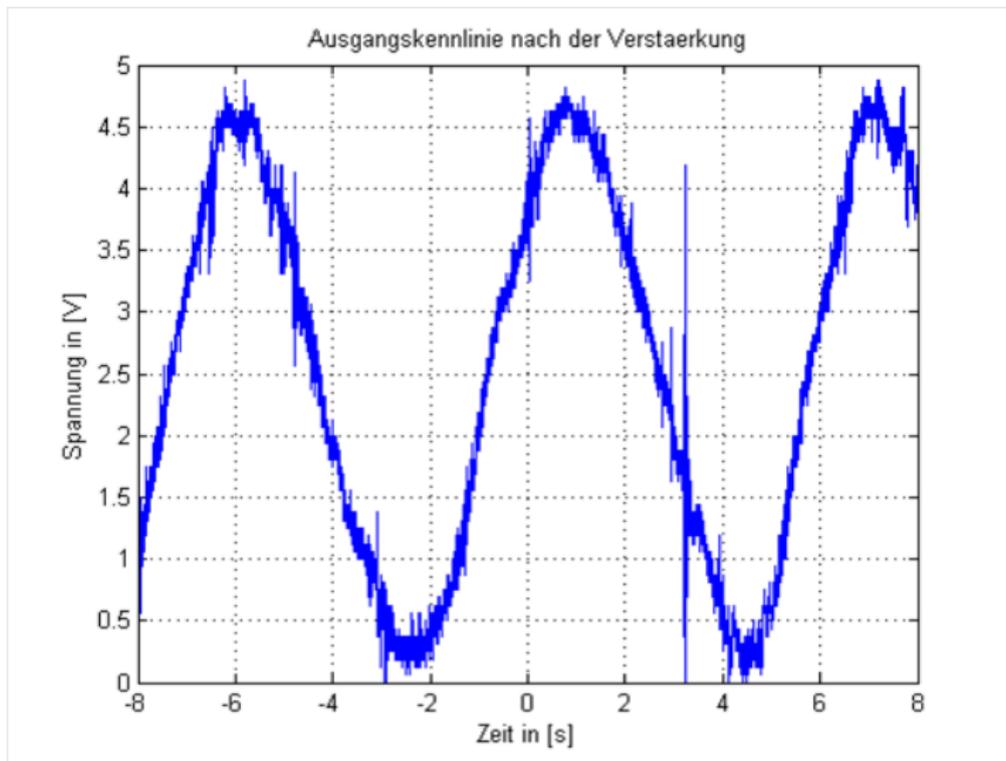
Sensorik

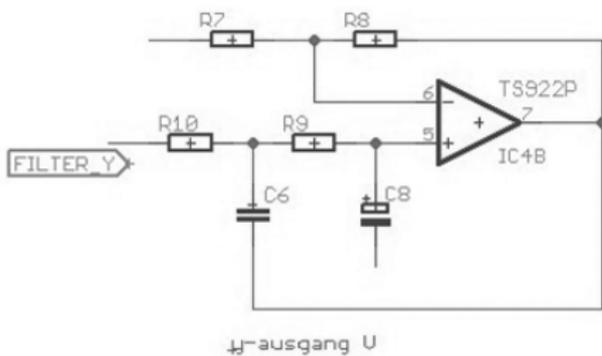
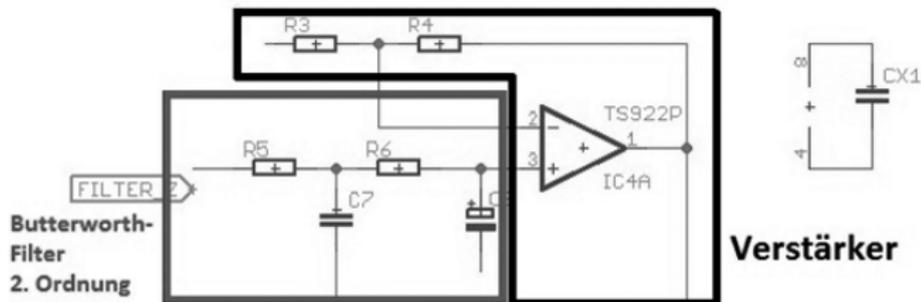


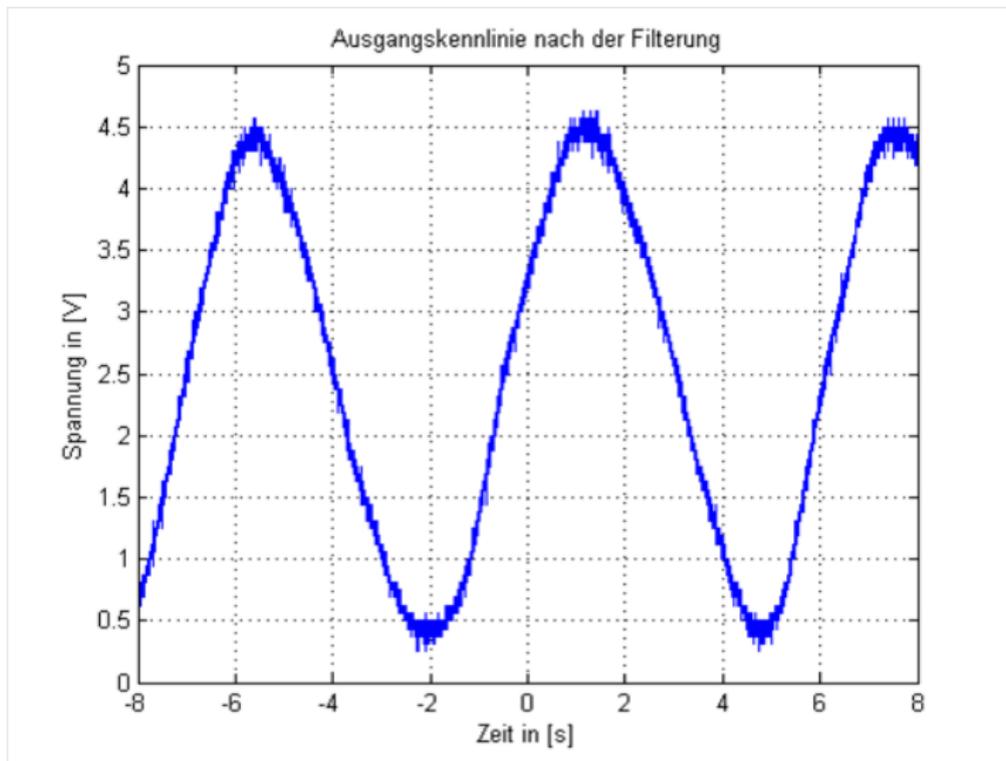


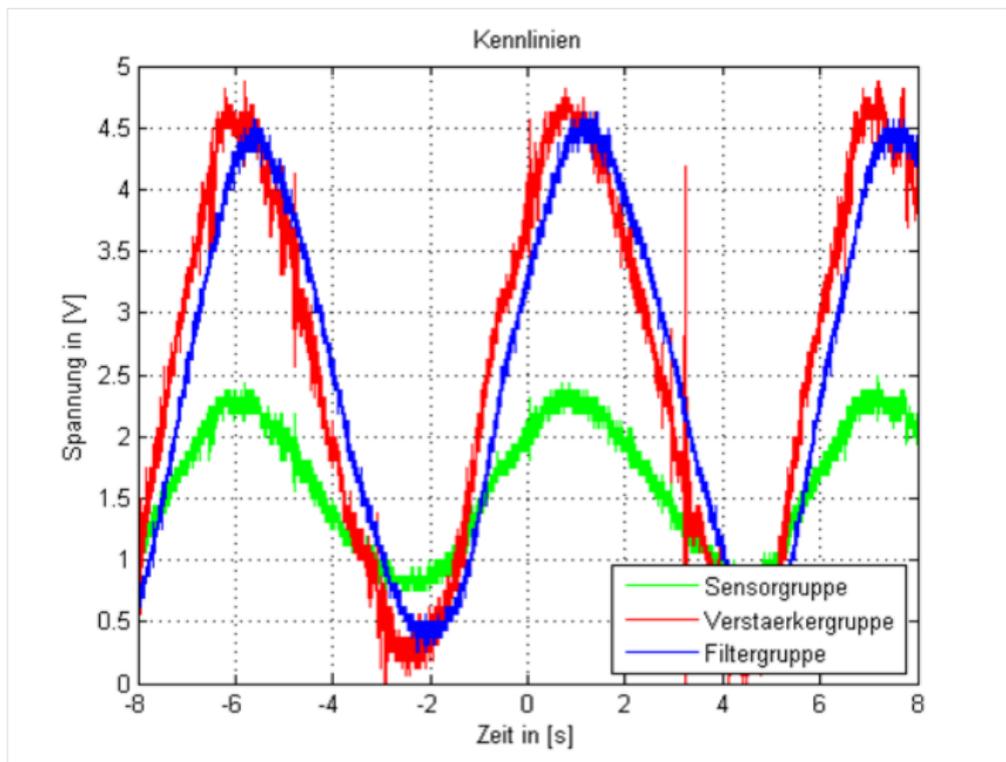














Sensorik

Anzeige

- Aufgabe
- Blockschaltbild
- Batterie
- ADU
- Display

Leitungssucher

Vorführung

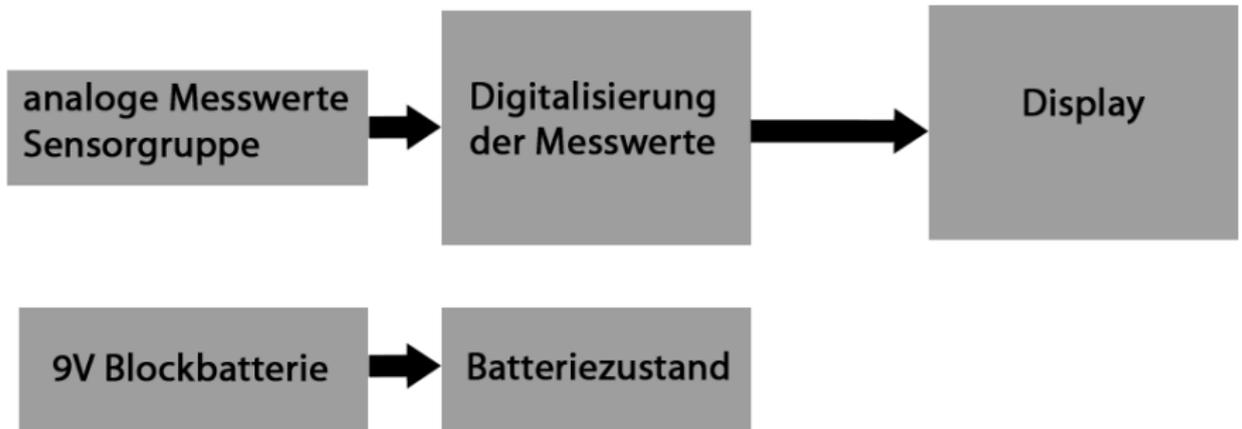


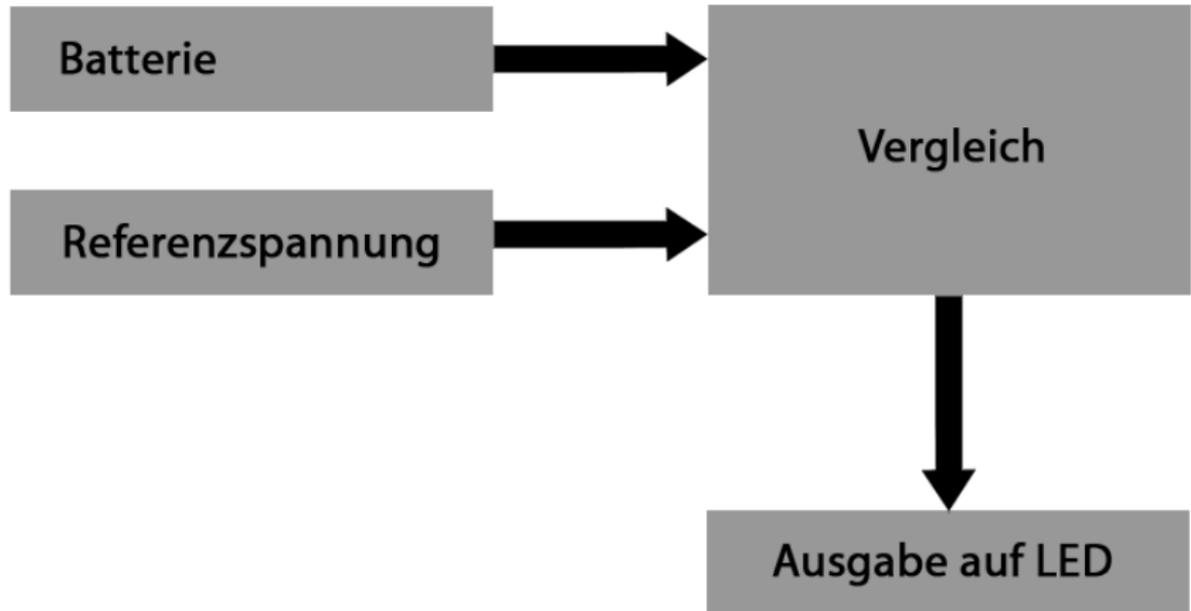
Die Gruppe2 ist verantwortlich für Verarbeitung und Anzeige der Sensordaten, sowie Batteriestand.

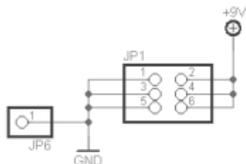
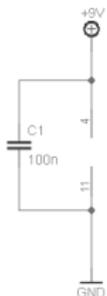
Teilnehmer:

Lilli Kuen, Manika Khajuria, Martin Schürer, Martin Dehnhardt, Matthias Kube, Stefan Cirol, Hien Nguyen

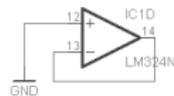
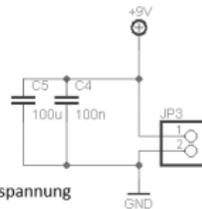
Tutor: Timo Lausen



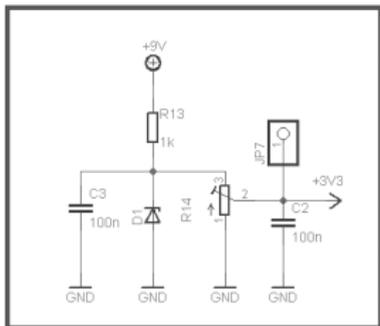




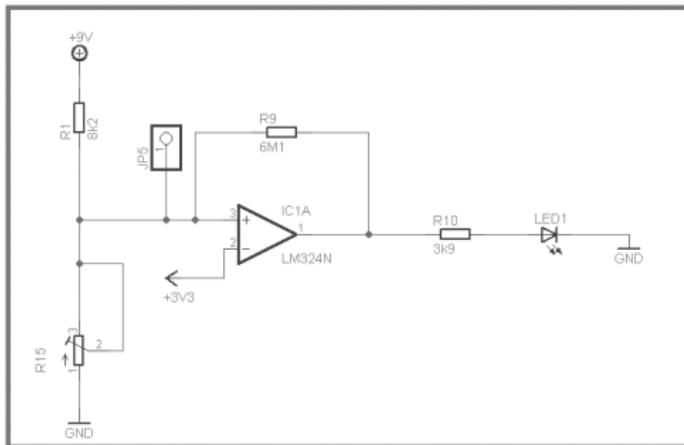
Stecker zur Übergabe der Betriebsspannung



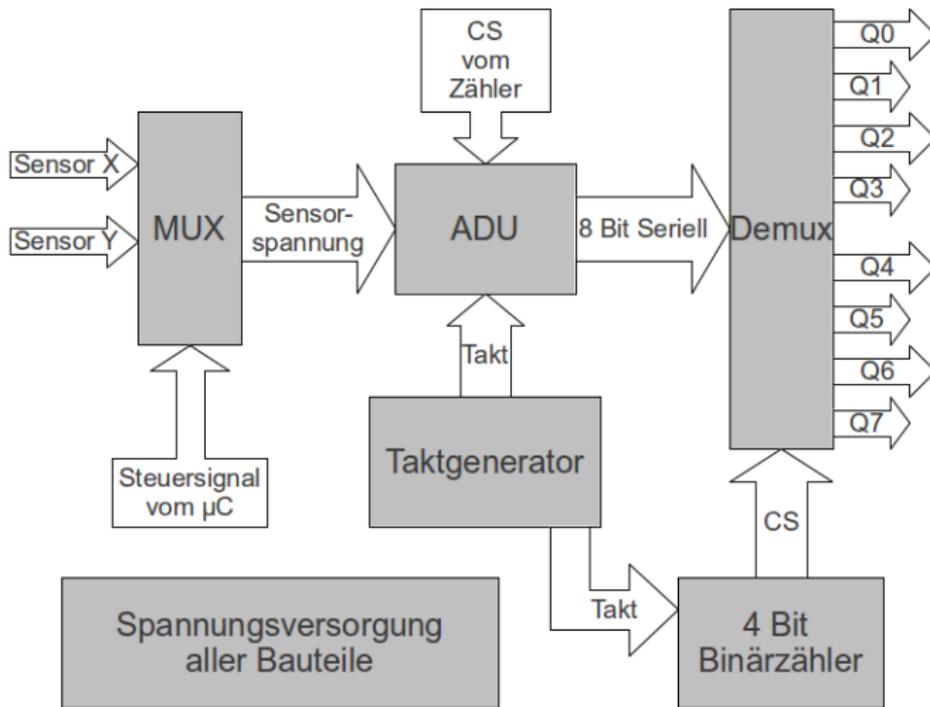
Unbelegter OPV



Referenzspannung

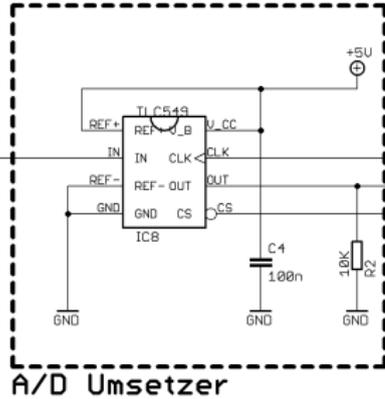
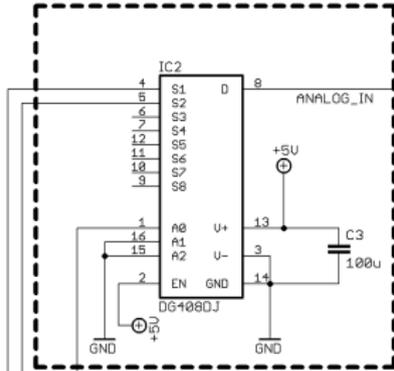


Schmitt - Trigger mit Messpunkt und optischer ausgabe mittels LED





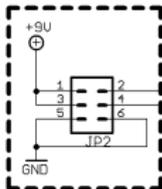
Analog Multiplexer



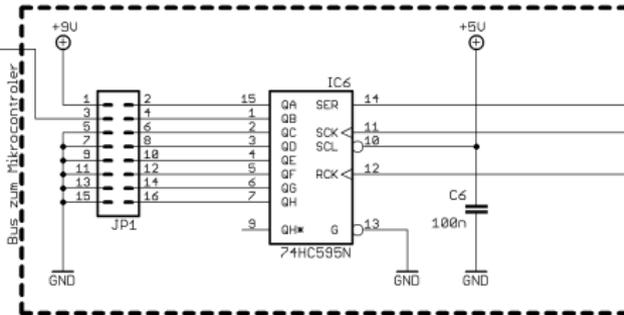
A/D Umsetzer

Sensorspannung

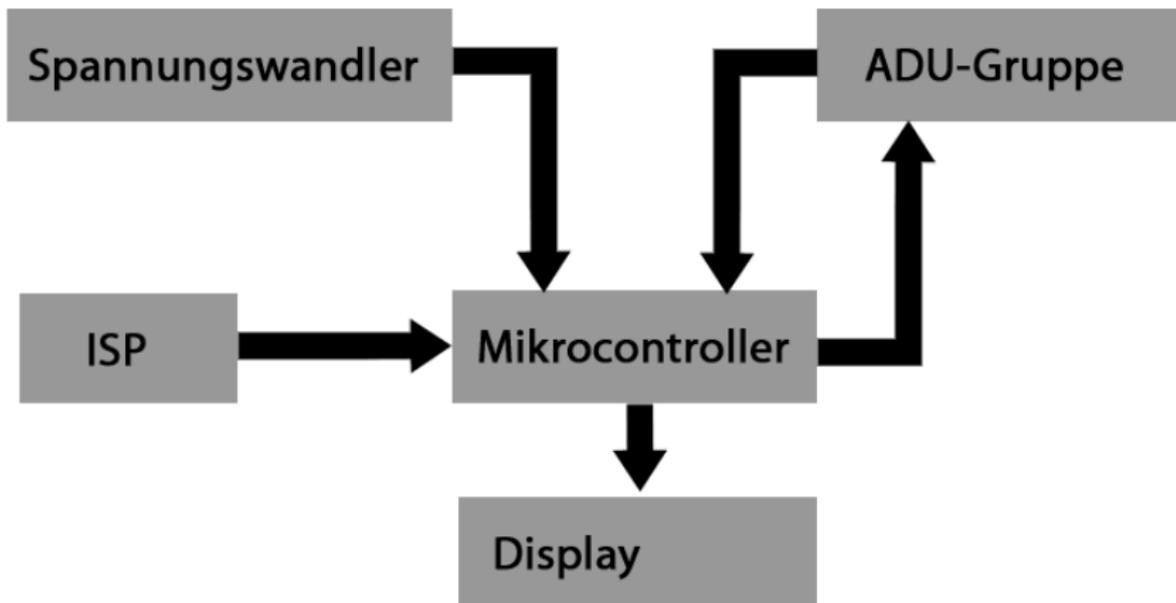
STEUERSIGNAL

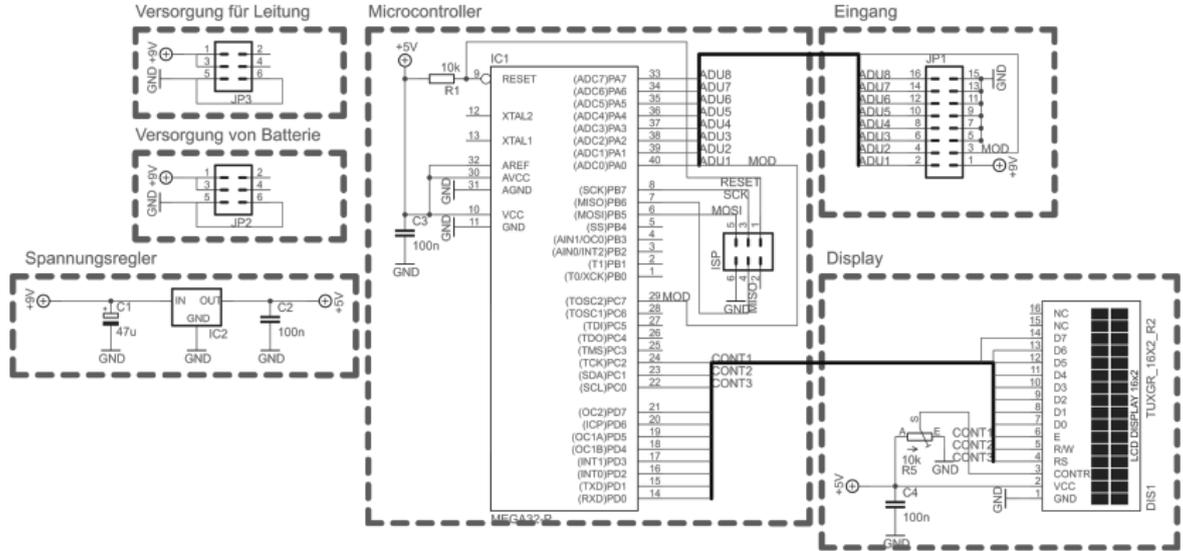


Verbindung von und zum Sensor



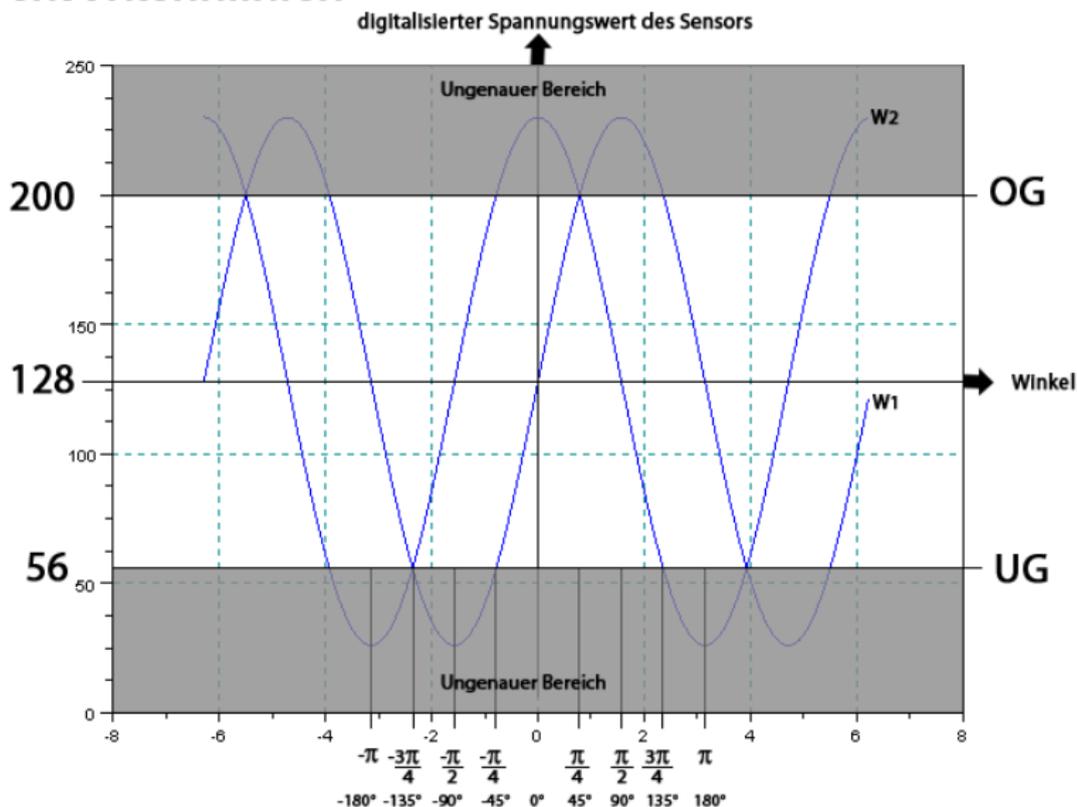
Demultiplexer

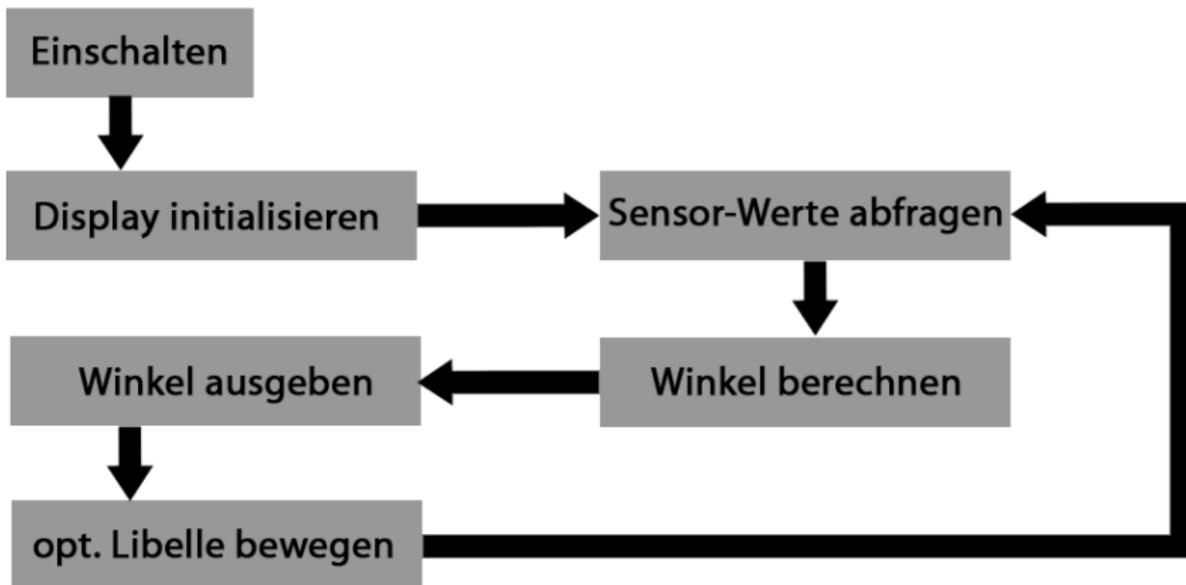






Sensorkennlinien







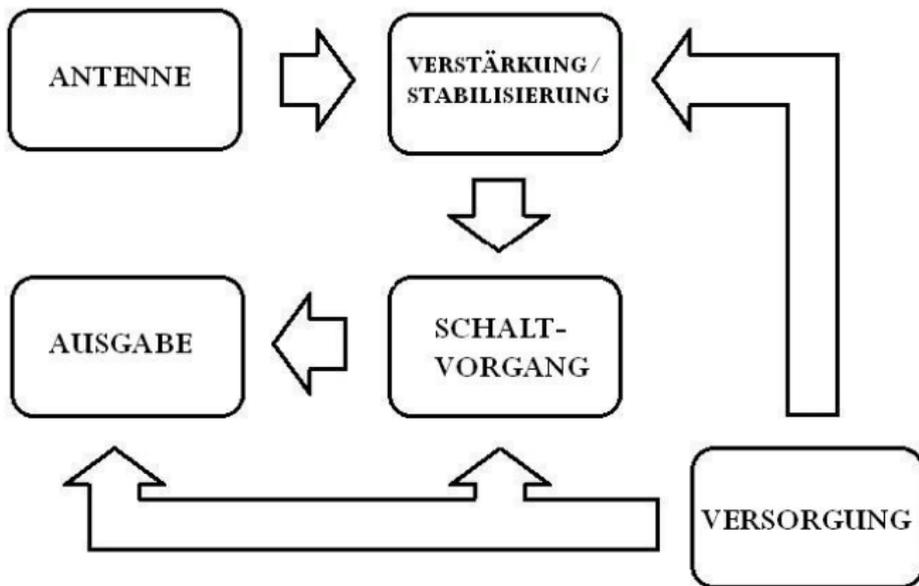
- Sensorik
- Anzeige
- Leitungssucher
 - Aufgabe
 - Blockschaltbild
 - Empfänger
 - Ausgabe
 - Gesamtschaltung
- Vorführung

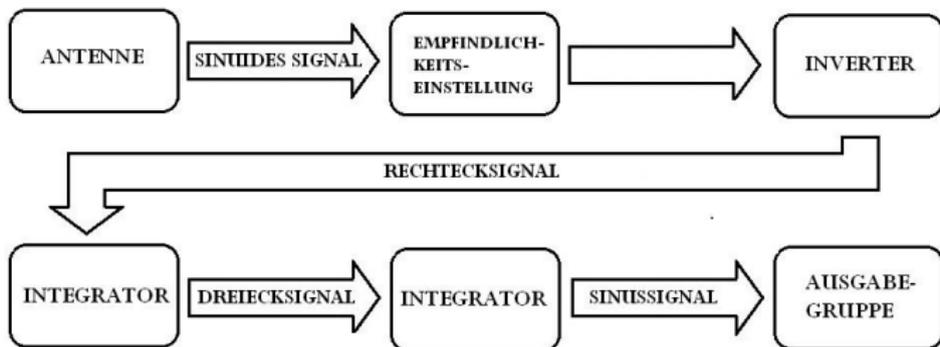


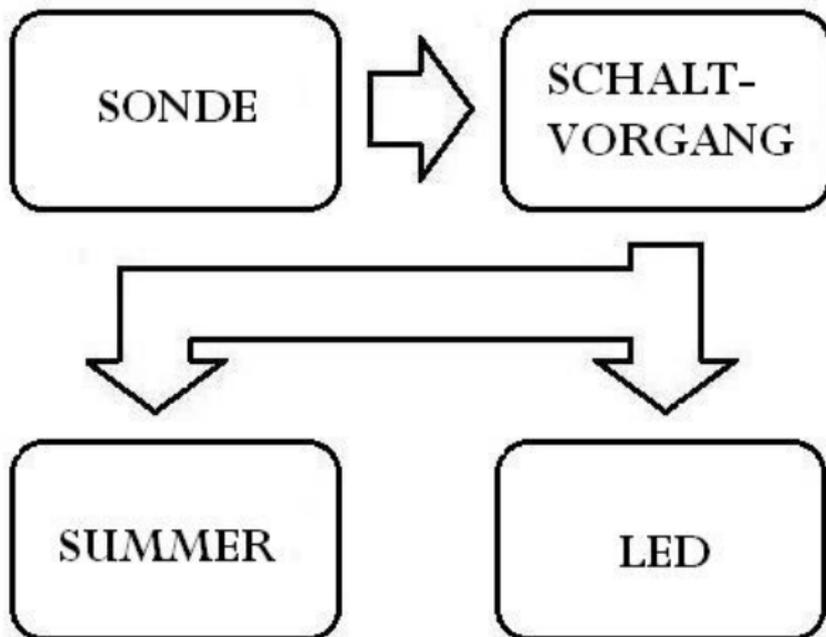
Die Gruppe3 ist verantwortlich für den Leitungssucher.

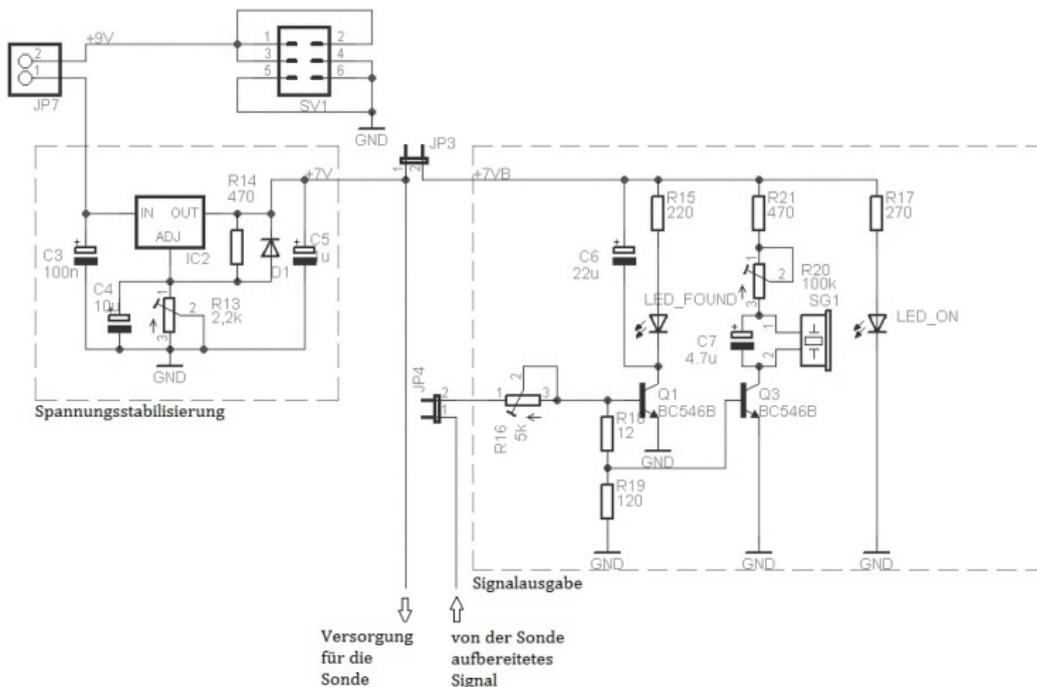
Teilnehmer: Markus Küchhold, Erwin Rubiano, Kyra Ulrich, Theresa Segbers, Maik Simon, Jan Broshog, Oliver Döhring, Katikaridis Spyridon, Christian Wiertelorz

Tutor: Felix Bohn











- Sensorik
- Anzeige
- Leitungssucher
- Vorführung



Vielen Dank für Ihre
Aufmerksamkeit!