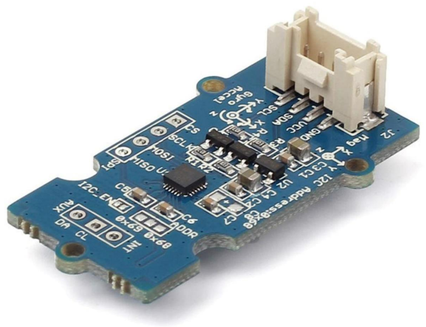
Fachhochschule Nordwestschweiz
Hochschule für Technik

acino

Überwachung von Motoren und Kupplungen an Lüftungsanlagen

Elektromotor

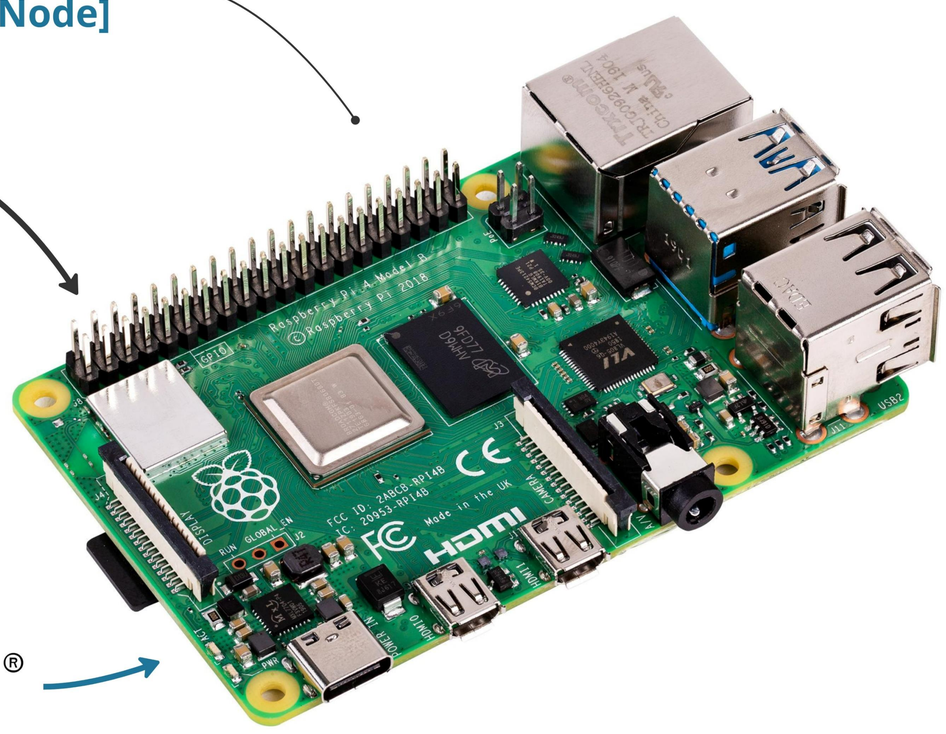
Vibrationen



Beschleunigungssensor
[Device]

I²C BUS

RasberryPi 4
[Node]



Sparkplug®

MQTT-Broker

MQTT

Sparkplug®

Computer
[Host]

Datenbank für
Zeitreihen

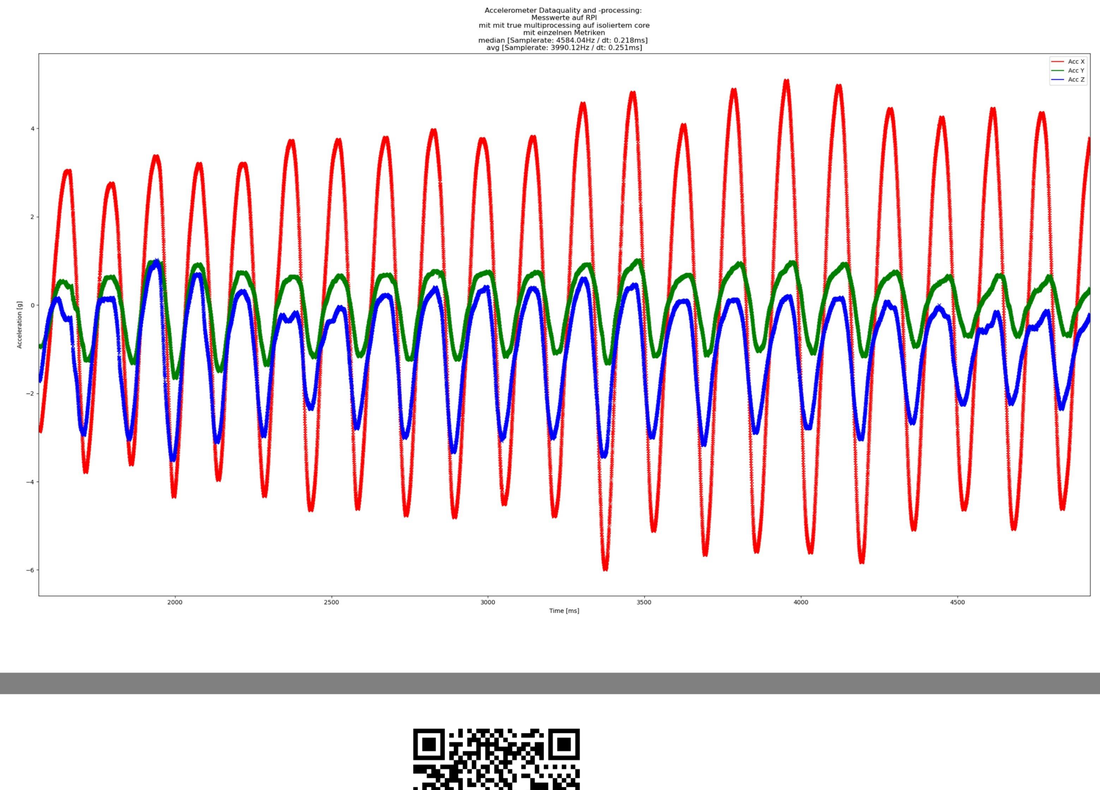
influxdb

python™

```python
def main():
    data = fetch_sensor_data()
    processed_data = process_data(data)
    packets = create_packets(processed_data)
    compressed_packets = compress_packets(packets)
    send_packets(compressed_packets)
```

python™

```python
def main():
    data = receive_data()
    decompressed_data = decompress_data(data)
    send_to_influxdb(decompressed_data)
    analysis_results = analyze_data(decompressed_data)
    display_data(analysis_results)
```



Studiengang / Semester: Systemtechnik 24FS
Diplomand: Konrad Zeltner
Auftraggeber: Acino Pharma AG
Experte: Christian Mangold, Automation Control Engineer
Dozent: Prof. Michael Böller, michael.boeller@fhnw.ch

Bildquellen

www.fhnw.ch/technik