



# Princeton Open Vent Monitor

*Open hardware flow meter and remote monitoring station*



## Request from local hospital system:

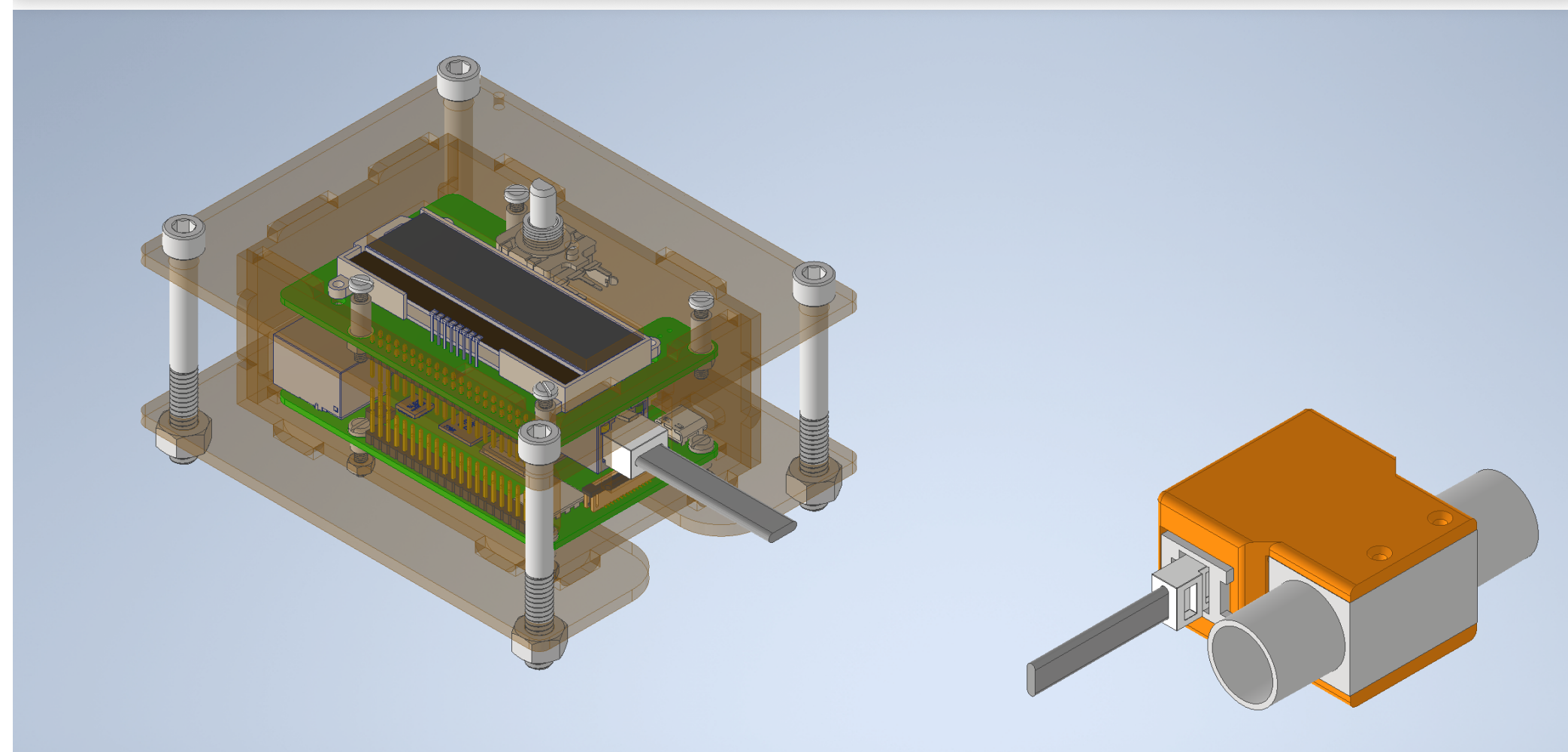
- Sensors and alarms for improvised ventilators:
- Primarily “CPAP” helmets
- Also vents split across patients; older models
- Remote monitoring station

## Features:

- Measure flow and pressure
- Calculate clinically relevant quantities: PEEP, PIP, VTI, VTE, RR, I:E, ....
- Local fab & assembly using only abundant parts
- \$200 per patient
- Alarms for tidal volume, respiratory rate, flow or pressure
- Remote station displays 20 patients

## Status:

- Integrated testing underway
- Goal: deliver 100 units by April 31; 400 units by May 14



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