

# Project Apollo

## Why

- Ventilators need oxygen! (typical FiO 0.4 ... 0.9)
- Oxygen generation is a big problem in developing countries.
  - No established infrastructure.
  - Oxygen bottles are expensive
- People are already looking at alternative (local) ways for producing oxygen

## What

- Goal of the Apollo prototype = enabling people around the world to build the prototype as fast as possible
- Focus = Simplicity and speed of build
- Final goal = Enable people to iterate and publish their own designs in the community

## How

- Follow the published build [documentation](#)
- Buy/source the materials (check out the [BOM](#))
- Build the prototype
- Validate O2 concentration and flow. Use a **good** O2 and flow sensor.
- Think about risk analysis and assessment: [template for Apollo-derived design](#)
- Document and iterate your own design. Publish your findings to the community!

## Collaborations

- Peru, Afghanistan, Guatemala

## Documentation

- <http://project-apollo.org>