

# GOOD NEWS

From Public Invention

## ACCOMPLISHMENTS

by inventor(s) or invention teams

- Dr. Read attended the Manchester England IMA Robotics Conference for his paper on calculating segmented helicies for robotic applications
- Public Invention used OpenBOM™ to manage development of open and free VentMon devices to help develop ventilators for rural communities in India and South America: [Check it out!](#)
- Public Invention recently sponsored a design team from Rice University, called **Team Petri-FI**, who designed a portable incubator that enables water testing in the field. Learn more here: [link](#)
- Public Invention volunteers **Diego Aspinwall and Neil Martis** helped Robert L. Read code and write this little tutorial on building a versatile, free (both libre and gratis) geotagging and mapping web app ([link!](#)).



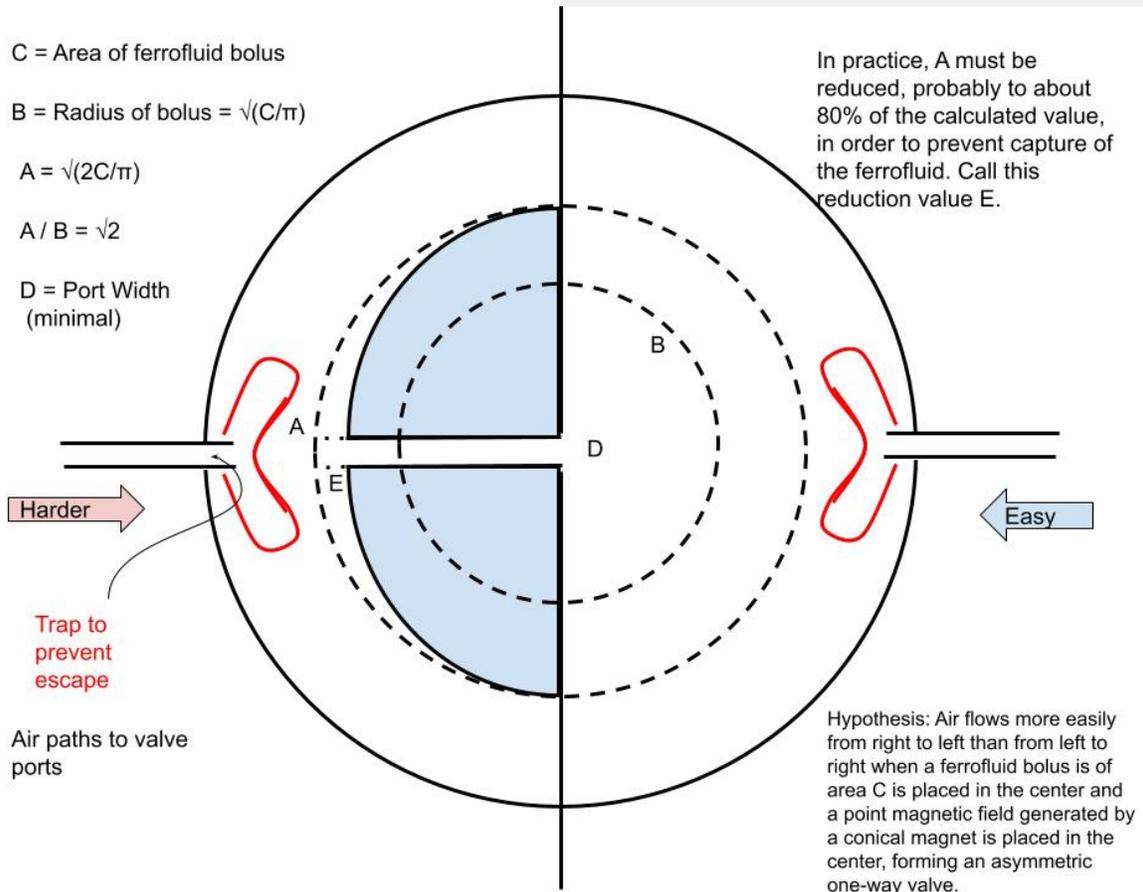
## OPPORTUNITIES

- Make a Public Invention/humanitarian engineering club at your school using this source: [link](#)
- Check out our current project ideas available for inventors and invention coaches to join: [Google spreadsheet](#)
- Build your own Ventmon device using our open source resources or request one from us for \$500 (more info [here!](#))

We invent things that help all people. All of our work is in service to nurture humanitarian invention.

## FOLLOW US!





## CURRENT PROGRESS

by invention team/projects

Veronica Stuckey has produced an initial 3D-printable design of a passive ferrofluid check valve, an interesting research project with a high chance of failure (initial concept pictured above). Rob and Nathaniel got “homing” for the PolyVent machine to work. Likewise, Rob modified the VentDisplay project to render data from Respiraworks. Respiraworks and Public Invention are now cooperating on software and data interchange issues.

Our “Cool Suits” project was selected by Rice University as a Freshman design project. As well as, the Bag Valve Mask Monitor project was selected as a Senior Capstone project by a team of Senior engineers at Rice University.

Ben Coombs has also made good progress designing the next version T0.5 of the VentMon. Rob has also begun editing a video for his talk on Calculating Segmented Helices for the 2nd IMA Conference on Mathematics and Robots, which was Sept. 6-10th.

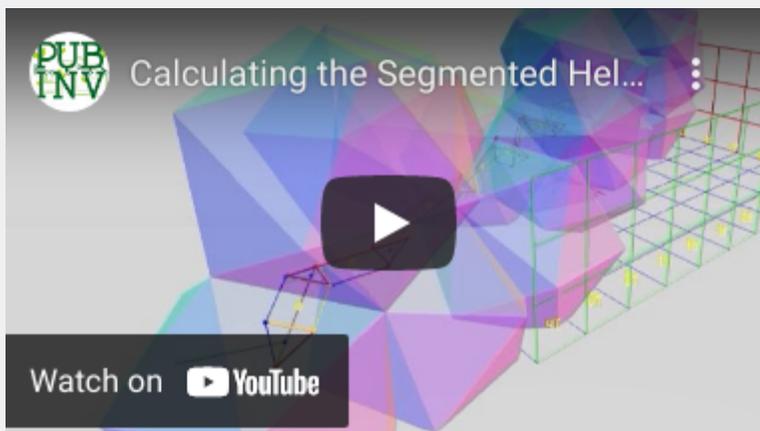
# COMMUNITY UPDATE

For Inventors and Invention Coaches

- Please hold Prajwal in your thoughts---he is working on the portable incubator, but has a serious illness.
- Harshit got a job! However, he continues to work on the EcoPot project, which is likely to be in partnership with Rice360 and several African Universities.



## RESOURCES



### Calculating Segmented Helices Video

**By Dr. Robert L. Read**

CEO, President, and Head Invention Coach

This is available on Youtube-- definitely check it out, and subscribe to our channel for more project/conference content!

**Do you wanna learn more about us?  
Then check us out on social media!  
Follow us to stay in touch!**

## QUOTE OF THE MONTH

"Nothing in life is to be feared, it is only to be understood. Now is the time to understand more, so that we may fear less."

- Marie Curie