GOOD NEWS

From Public Invention

RECENT ACCOMPLISHMENTS

by inventor(s) or invention teams

- **Dr. Robert Read** and inventor **Geoff Mulligan** have collaborated on a control system that drives a **Ceramic Oxygen Generator** for **NASA**. Check out their efforts developed from our prior **Ox** and **VentOS** projects:
  - **Github Project Repo**: Click Here!
  - **YouTube Video on Code:** Click Here!
- **Nathaniel Bechard**, from our **PolyVent** team, has constructed a new **PolyVent Educational Platform**. Media for the new platform TBA.
- **Lee Erickson** and **Lawrence Kincheloe** have built a useful hardware device, the **General Purpose Alarm Device (GPAD)**. Check out their project repo: Click Here!
- **Public Invention** donated $37,000 to a **tourniquet project** developed by an organization called **Glia**. To learn more about their project efforts: Click Here!
- **Dr. Robert Read** took the current version of our **portable incubator** from the **Moonrat Project Team** to **Tanzania**, where it performed well! Results and media TBA.

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**
- Do you have some progress to share with the general public/our membership regarding your current Public Invention project? Then submit your summarized efforts/any images to our Public Outreach Coordinator (Megan) for the next newsletter!
  Email: outreach@pubinv.org

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

QUOTE OF THE MONTH

"The people who get on in this world are the people who get up and look for the circumstances they want and if they can't find them, they make them."
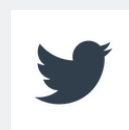
- George Bernard Shaw

FOLLOW US!

WHAT IS OPEN SOURCE?

Open source projects are intellectual materials, typically relating to software, that are made available to the public and can be redistributed or modified freely.

All of our efforts and projects are completely free and open-access to the general public!

Public Invention's Github:
All Project Repos: <u>Click Here!</u>
Public Invention's Website: <u>Click Here!</u>

Why Open Source?

Open source communities allow inventors to create valuable tools and materials at exponentially lower costs. Not only do they make intellectual resources more affordable, but they can also make them accessible to a larger demographic. The expansion of accessibility then allows for a pool of subject matter experts (SMEs) of various experience levels to see and even contribute on a given project in order to refine it further for diverse applications.

Open source products foster innovative designs by providing flexible and free environments to tinker and bring a given concept to fruition, especially after several iterations and significant peer review.

WHAT ARE SOME OPEN SOURCE TOOLS?

Open source projects are intellectual materials, typically relating to software, that are made available to the public and can be redistributed or modified freely.

Open Source Resources:

Organizations and Processes
- Open Regulatory Main Site: Click Here
- System-Theoretic Process Analysis (STPA) Handbook: Download Here!
- Open Source Medical Supplies: Click Here
- OpenSource.com Resources: Click Here

Regulatory Tools
- A Regulatory Documentation Manager (62304 | 14971 | 510(k)): Click Here
- Blueprint for Certifying Medical Software: Click Here
- Open Regulatory Templates (ISO 13485 | IEC 62304 | ISO 14971 | ISO 62366): Click Here

Graduate Programs/Opportunities:
- Outreachy Open Source Internships: Click Here
- Tulane's Open Source Intelligence Certificate: Click Here
- Canada Open-Source Projects (CANOSP): Click Here

Conferences
- Open Source Summit [Jun 21-24, 2022] - Learn more about future events: Click Here
- GopherCon US 2022 [Oct 6-8, 2022]: Click Here
- HACKTOBERFEST 2022: Click Here
- Cloud Native Computing Foundation (CNCF) conference [Oct 24-28, 2022]: Click Here
- Open Source Conference Database [2022-2023]: Click Here

Open Source Journals
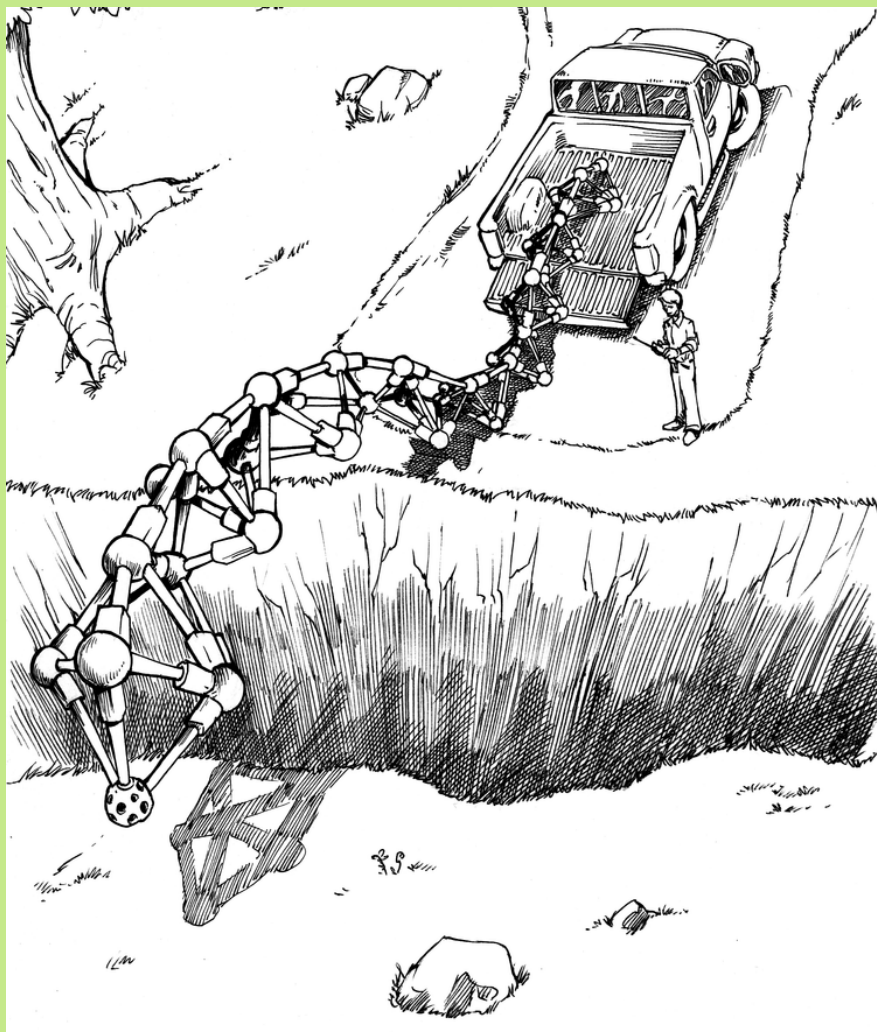- The Journal of Open Source Software: https://joss.theoj.org/

GET TO KNOW OUR TEAMS:

For Inventors and Invention Coaches

The Tetrobot Project - Search and Rescue

The **Tetrobot Project Team** sought to build a Tetrobot, a robotic material that moves like a slug but is strong like a truss. They have explored and suceeded in designing a network of linear actuators connected by triangular planes to build a strong space frame that can crawl into a desired position.

The **Tetrobot Project** is a part of Public Invention, which seeks to invent things directly beneficial to all humanity without seeking profit or patents.

The Tetrobot Project's Webpage: **Click Here!**

NOTE: If you are an **Inventor, Invention Coach,** or an **external partner** interested in offering your feedback too, then **please email us at outreach@pubinv.org** to set up a possible interview or send us your testimonial typed!