Why can't designing and producing physical products require nothing but your ingenuity, a laptop, and an internet connection?

It can, now.

Welcome to Wikifactory.
Welcome to **The Internet of Production.**

WIKIFACTORY

The Idea

A **social and collaborative platform** for designing and producing physical things - a "Github for hardware". A single workspace for you to **design better, prototype faster and manufacture smarter**.

We call it the Internet of Production (IoP).

(Product Documentation, and Project management)
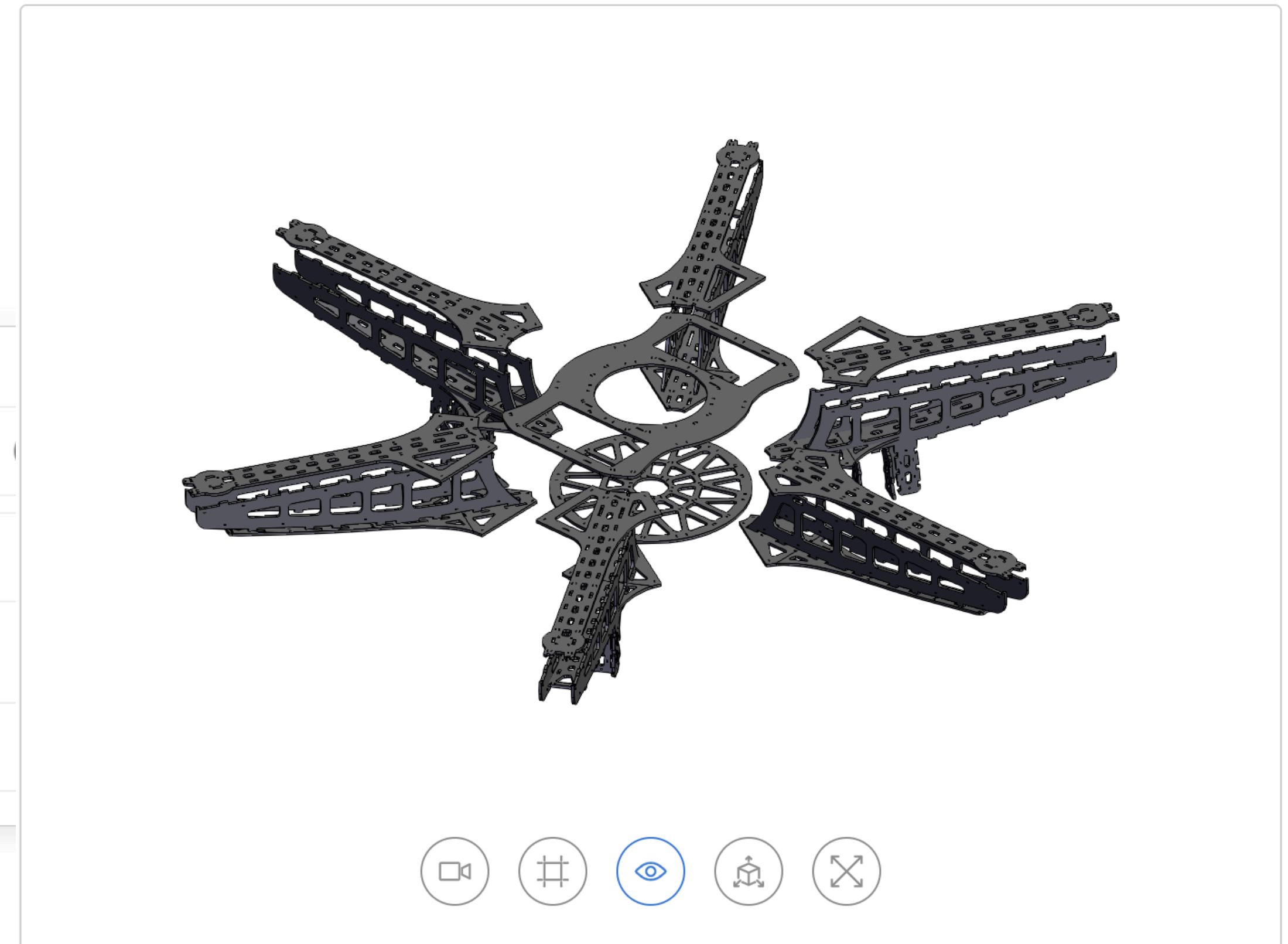
(Web based 3D Viewer)

A fast growing community based on collaboration

After launching our BETA in mid 2019, Wikifactory's **community of makers, designers, engineers, technologists** and **other creative problem solvers** is now 25K strong - set to reach 100K by the end of the year.

Joana Schmitz
@joana

additive artist from berlin

+ Follow

Camilo Parra Palacio
@cparrapa

Product Designer Engineer. Founder of OttoDIY, A 3D printable opensource robot than anyone can build, Making #STEAM education and robotics accesible to all.

+ Follow

Harry Akligoh
@diyharry

DIY bio tinkerer and researcher exploring the use of openness in the life sciences

+ Follow

Frederik Lean
@frediklean

Startup dude bitten by a green leaf

+ Follow

Enrico Bassi
@eb

Maker, digital fabrication's professor, Fab Academy instructor and Fab Lab coordinator (@Opendot in Milan).

+ Follow

Shaoting Lin
@ting

Operational engineer. Active in hardware and software engineering.also a researcher with experience on wirelessly connected embedded systems and PCB.

+ Follow

A go-to place for open hardware design and production

With over **1600 open hardware projects**, and **over 10K 3D files uploaded**, our community is working in all sorts of industries. **From robotics, drones and electric vehicles, to biotech, agri-tech, smart furniture - and most recently - medical devices.**

+holybro/px4-vision
Quad-rotor frame autonomous drone development k...
13 16

+fablabbudapest/ldv-desk
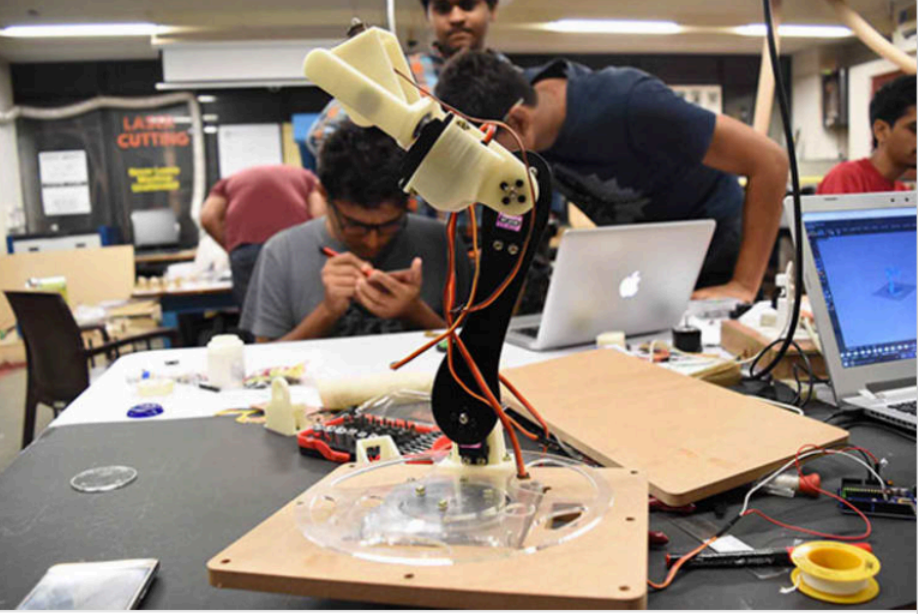The structure of the LDV DESK table consists of com...
3 2

@joaoleao/pet-mini-skateboard
PET MINI Skateboard is a Open Source, Recycled El...
16 7

+growstack/nextfood-aeroponics-3b
This is the 3B version (Bare Bones Build) of the Nextf...
206 7

@avishek/krab-v10
Krab is a small 6-axis robotic arm controlled from Rhi...
26 14

+fablabbcn/smart-citizen-kit
An Open-Source Environmental Monitoring Platform ...
52 12

+wikifactory/tabby-evo
TABBY EVO is a hardware open source platform for ...
2 2

@adammiklosidesign/simple-face-shield
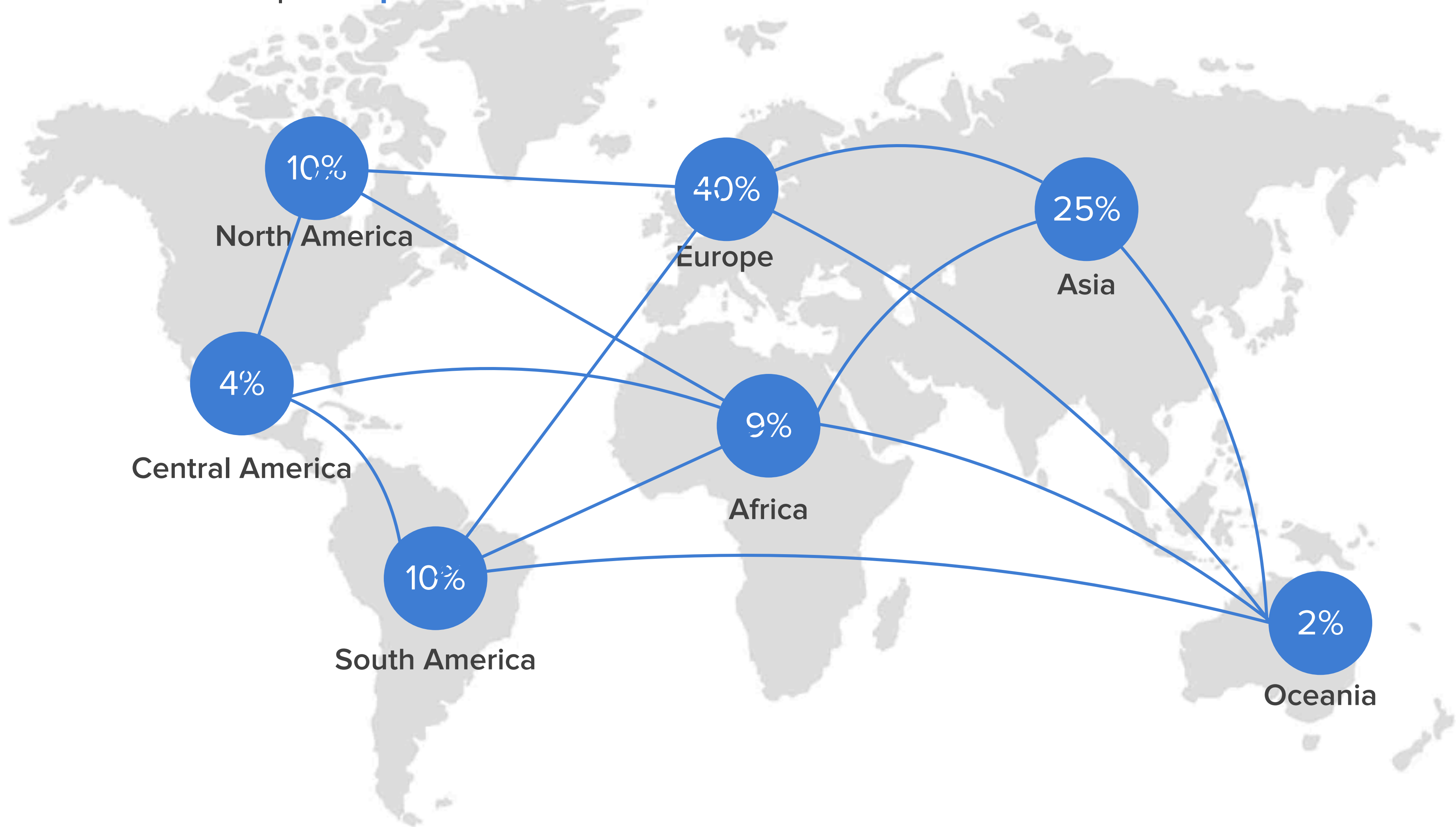Ultra simple and cheap face shield for the Covid-19 c...
18 15

@max/lantern
An Ikea hack by Nord Projects that transforms any su...
30 10

A global collaboration movement on the rise

Collaboration happens **across all continents and timezones** - 187 countries to be precise, with some product teams made up of **up to 450 contributors.**

- 10% North America
- 4% Central America
- 10% South America
- 40% Europe
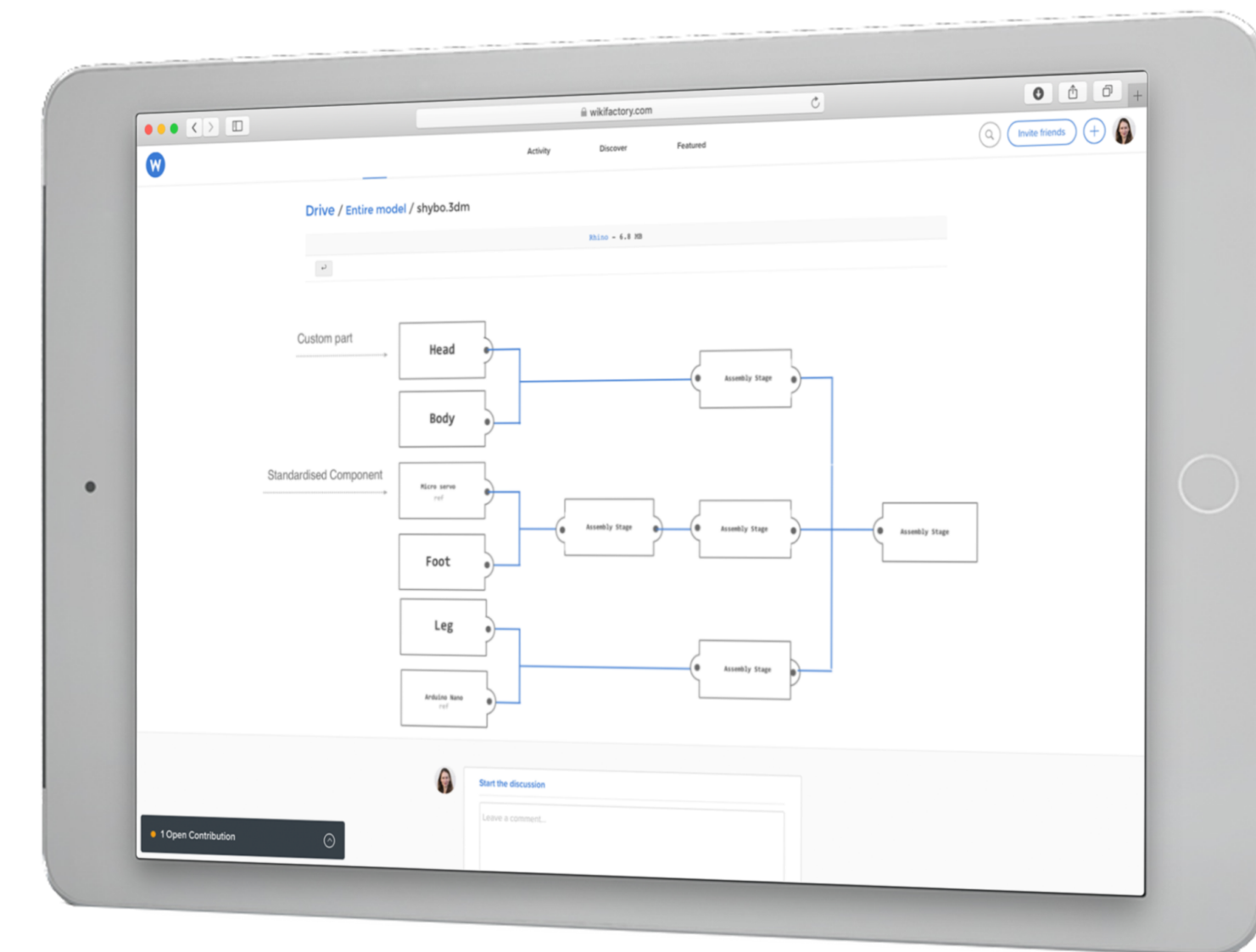- 9% Africa
- 25% Asia
- 2% Oceania

Wikifactory 2.0

Having created a **collaborative product development platform**, we have now begun to extend it with a **design-to-production system** and distributed **on-demand manufacturing**, in **a single, seamless workflow**.

Compose design-to-production software services (in-house and 3rd-party) in a **flow-based visual programming** environment.

Define and manage complex production processes including sourcing, part manufacture, and assembly.

The Internet of Production (IoP)

"Linking the productive capacity of smart manufacturing with the creative potential of people."

The **Internet of Production** is the emerging concept of a distributed, interoperable, **open** standards-based system linking together **product definitions, software services, and manufacturing-as-a-service** (MaaS).

We have designed **one online workflow for product development** composed of:

1. Collaborative product development tools

2. Design-to-production systems, and

3. On-demand manufacturing services

Engineering and manufacturing corporations are investing in **intelligent, data-driven manufacturing - Industry 4.0**

VS

Wikifactory is opening up the **same capabilities to everybody** by creating the world's first **IoP platform**.

Collaborate. Design. Prototype. Manufacture.
All from one workspace.

Never ask, "Is this the latest?" again.

Version Control

✓ Securely store your files in the cloud.

✓ Easily access or restore older versions.

✓ Track & manage changes to your product data.

✓ More transparent development processes.

✓ Know what changes were made, when and why.

✓ Spend less time enforcing conventions.

It's powerful version control made intuitive for product designers.

Camilo Parra Palacio
Product Designer and founder of OttoDIY

CAD for anyone, from anywhere.

3D Visualisation
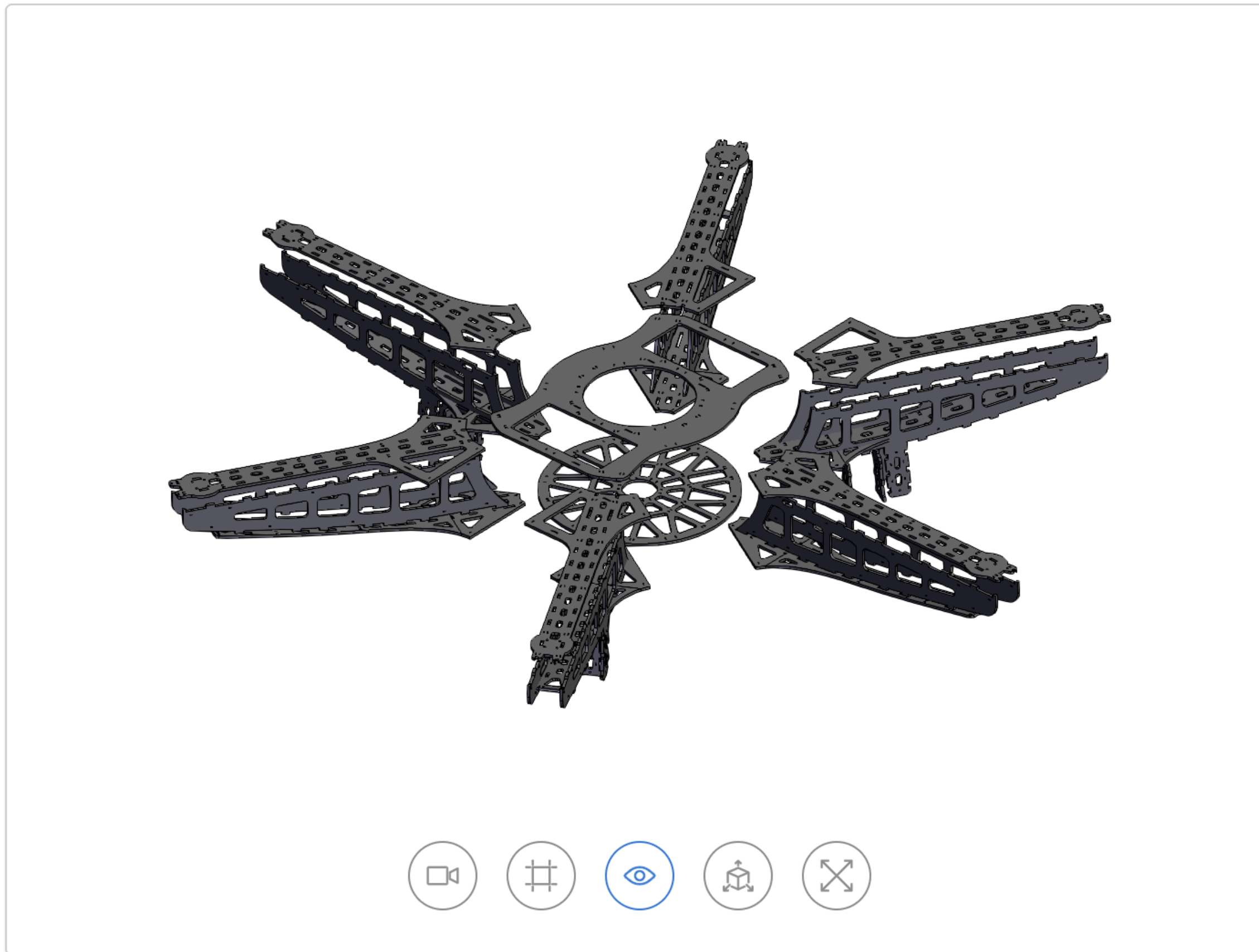
✓ Visualise over 30 formats in the browser.

✓ Inspect and explode assemblies.

✓ Keep expensive CAD licenses to a minimum.

✓ No install or plugins required.

✓ Runs on mobile and tablet.

Sharing links to 3D files on Wikifactory is infinitely easier than worrying about file size restrictions in emails, and has made communication between our distributed teams a breeze.
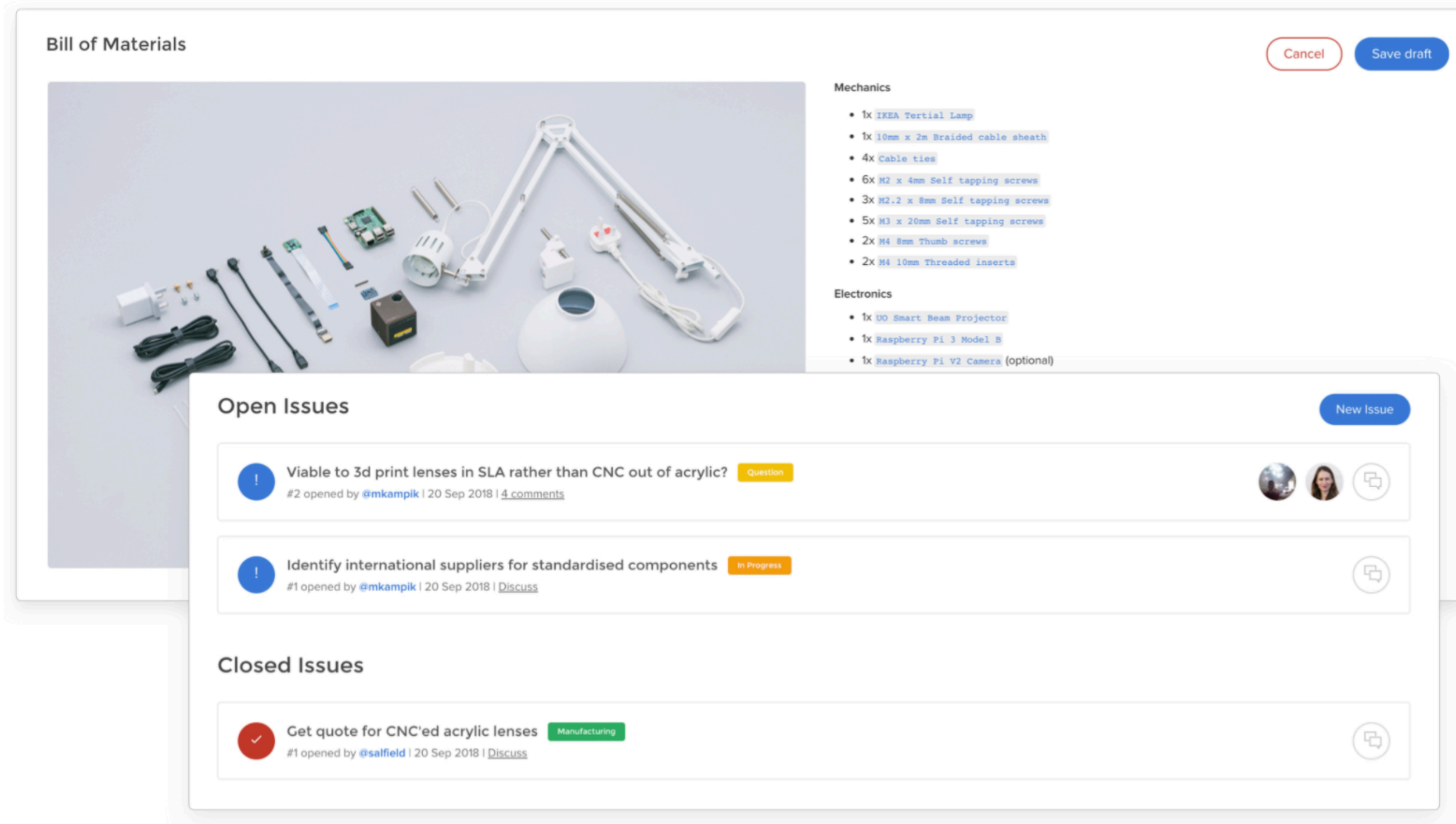
Juan Laforga
Head of Production & QA, Shadow Robot Company

Iterate faster, be more agile.

Issue Tracker & Documentation

- No more overly bureaucratic change requests.

- Move ideas forward by assigning tasks and labels.

- Find and fix issues faster, even on the go.

- Go beyond words, embed 3d models anywhere.

- Collaboratively improve and share your documentation.

An exciting set of tools for teams to innovate and rapidly adapt their designs to the market.
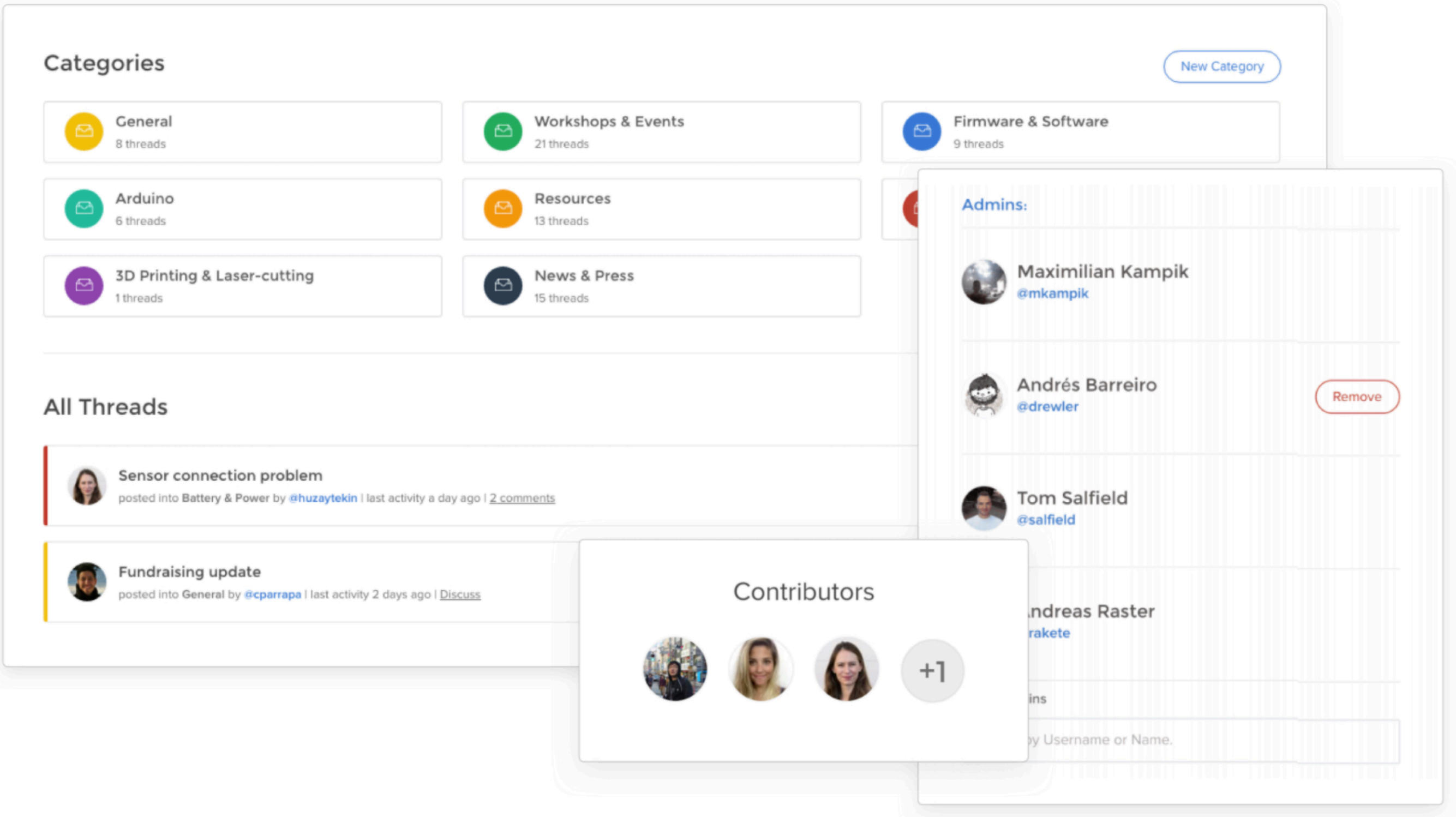
Jens Martin Skibsted
Founder of Biomega, Partner at Strategic Design Group

Seamless collaboration with stakeholders

Permission Systems and Community Tools

✅ Enable organisation-wide collaboration with role based permissions.

✅ Limit access where necessary and create a safe space for sensitive work.

✅ Tap into a wider community of talented product innovators.

✅ Build and grow a community around your brand.

With Wikifactory we are able to collaborate more effectively with clients and manufacturers.

Henk Werner
Founder of TroubleMakers, Shenzhen.

WIKIFACTORY

The Future is in the Making™

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