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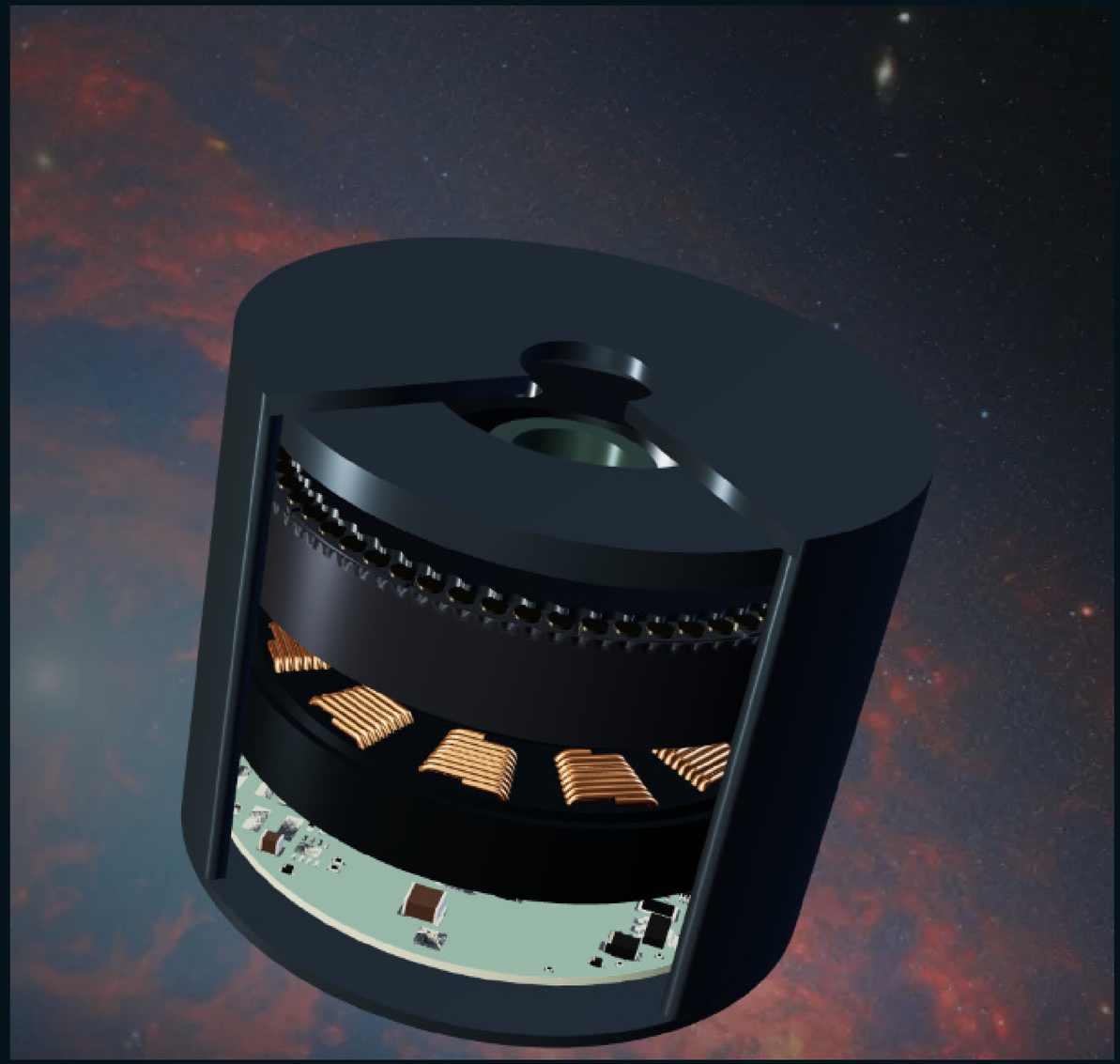
SUPER INTELLIGENT FACTORY

Learn here. Build for the world.

Physical AI connects human intent, machines and manufacturing to meet global demand.

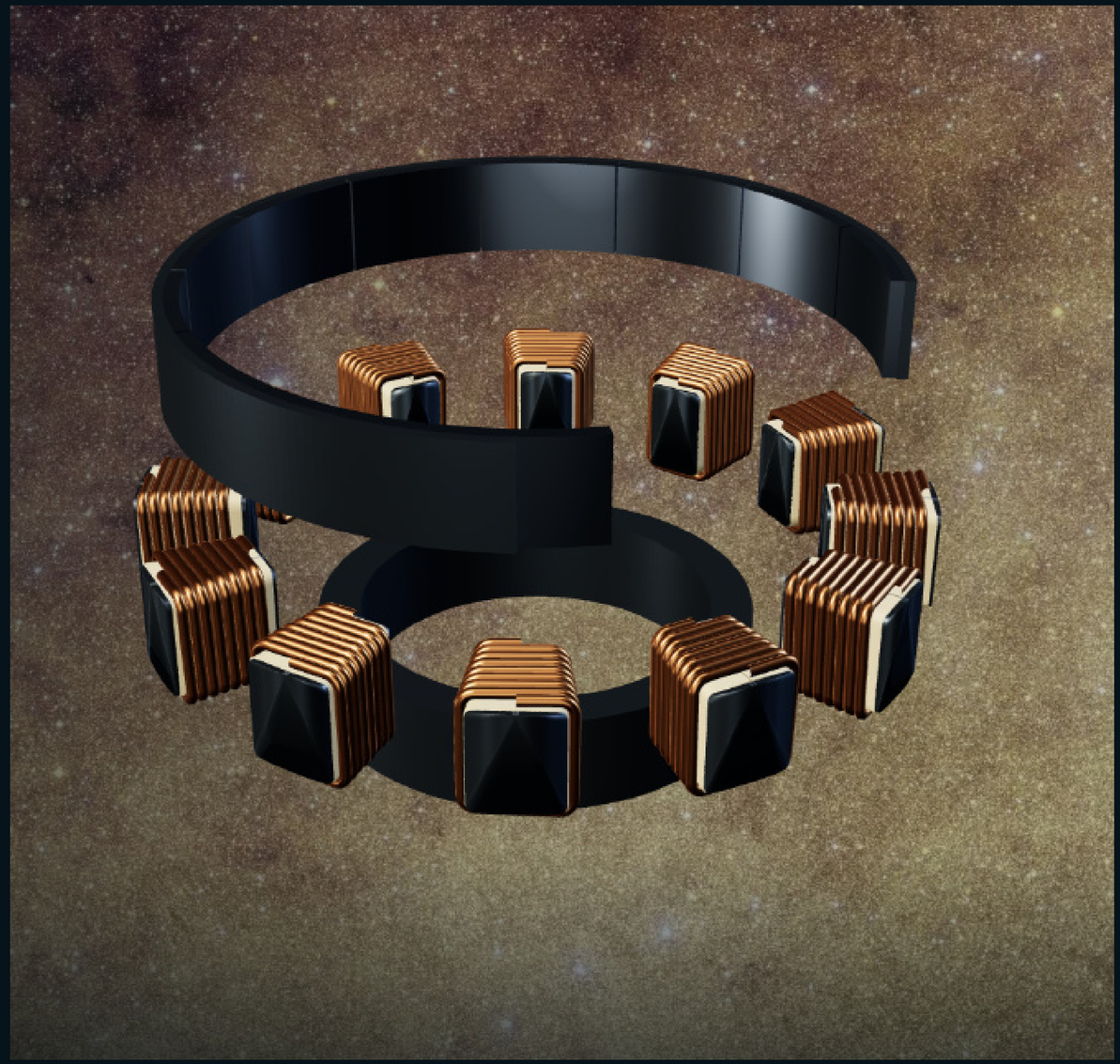
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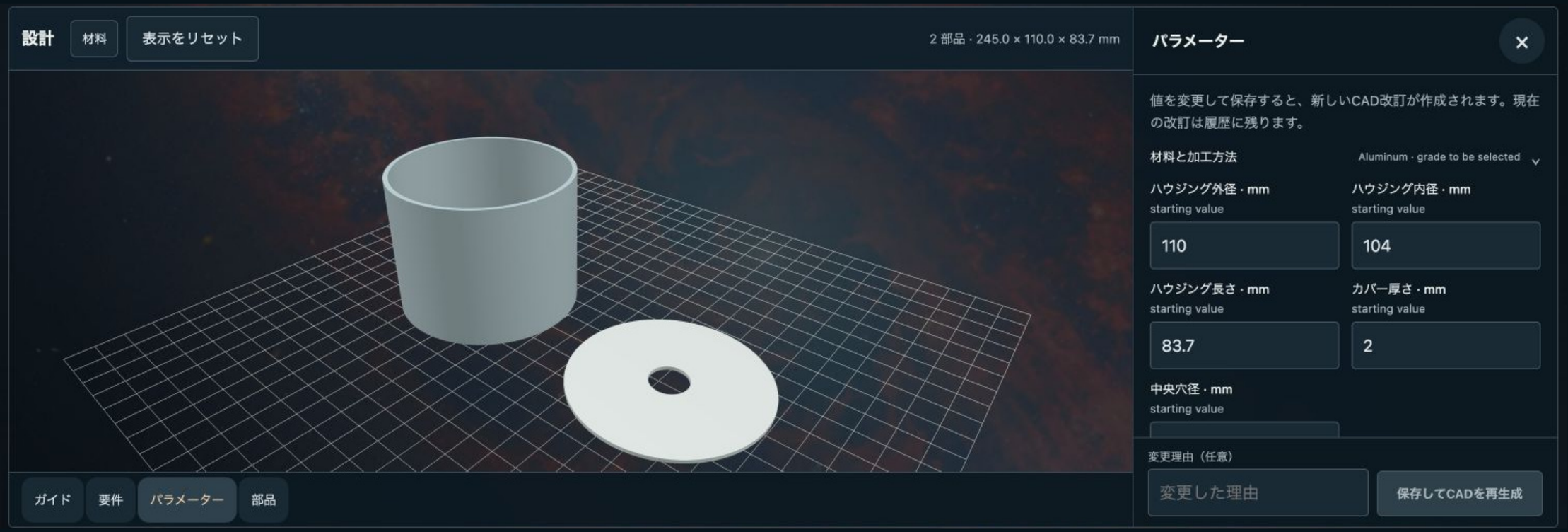


Physical AI

Physical AI connects AI with machines and sensors. This robot arm servo motor concept shows one piece of that physical world.



A motor component, from design to manufacturing.



Motor housing design example: review the geometry and dimensions, then plan the process.

Small factories

Compact factories bring design, machining and inspection together. The proposed Kesennuma hub is a starting point for production that can serve customers in Japan and overseas.



Local talent development

Learn by making, from a first CAD drawing to a finished part. Develop the skills to operate, maintain and improve machines, and make products for customers beyond the region.

Develop real skills.

Read drawings, choose materials, design in CAD and measure the parts you make.

Solve a real problem.

Prototype a replacement part, improve a production fixture or test an automation idea.

Make the work repeatable.

Review the design, inspect the part and document a process others can repeat.

Machine-to-machine communication via AI

People set the goal → AI connects the process → Machines make and measure



Machines share processing conditions and measurements. People review them before the next step.

Software demonstration today. Physical machine connections are planned.

A vision for Kesennuma

Local supply of necessary goods

An innovation hub where people develop skills and AI connects machines. From local work to manufacturing that meets global demand.

Start with a brewery replacement part or fishing-equipment repair. Grow into custom parts, prototypes and small batches for customers worldwide. The model is being developed in parallel in the United States.



Kyoto

Innovation Hub

Bring a part to make, a process to improve or a training need. Help choose the first practical projects for the proposed hub.

A part to make. A skill to learn.

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