

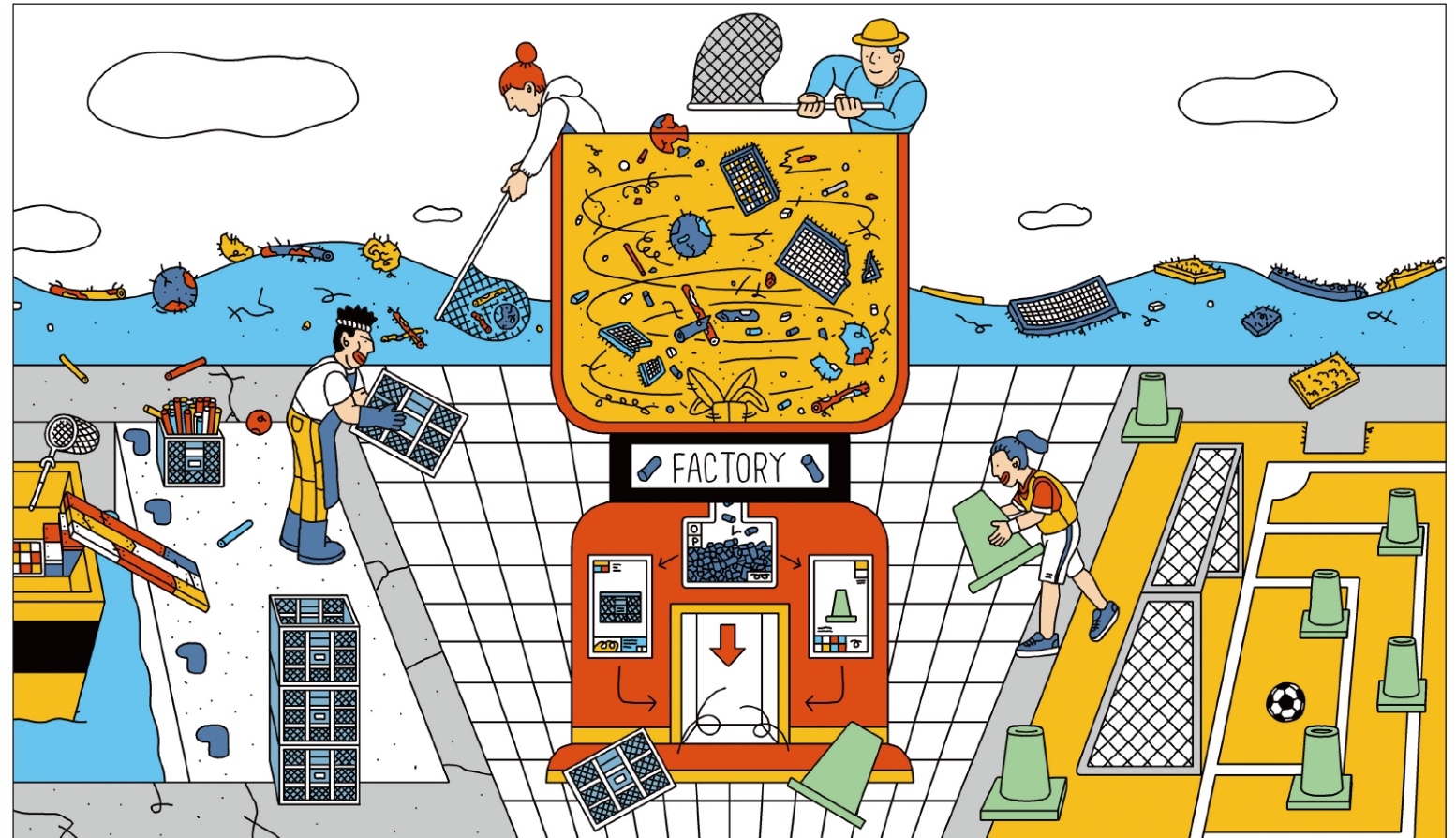
Oyster Pipe Waste and Artificial Turf Waste Collection and Recycling Service

TEAM

Pirika, Inc.

SERVICE VISION

Marine debris, which is generated in large quantities every day, is a major problem. On the other hand, if stable collection and upcycling are possible, the waste can be reconsidered as a new resource. This service focuses on (1) oyster pipes, which drift and accumulate in large quantities in the Seto Inland Sea, and (2) artificial turf, which is estimated to spill 25 tons per year into the ocean due to abrasion. By developing and building a supply chain for the collection, recycling, and commercialization of waste that is feared to be discharged within the area where the waste is generated, we will establish a revival process where marine debris is used as a product.



SERVICE FEATURES

Oyster pipe waste and artificial turf waste are collected and recycled as pellets through a process of crushing and sorting. They are converted to transportation baskets, triangular cones, and other products that can be utilized in places where the waste is actually generated.



SERVICE OVERVIEW



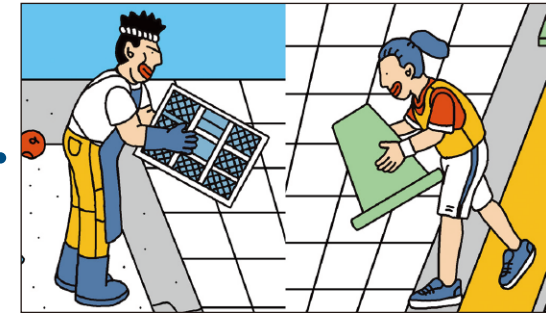
Collection of waste of concern from spills

An estimated 16 million oyster pipes that has drifted and accumulated in the Seto Inland Sea. Artificial turf, estimated to spill 25 tons per year into the ocean due to abrasion. We will collect these refuse of concern for runoff with the cooperation of all concerned parties.



Recycled pelletizing

Under the supervision of Associate Professor Takashi Ikuno of Tokyo University of Science, the collected oyster pipe and artificial turf refuse will be analyzed, sorted, cleaned, and finally converted to recycled pellets.



Upcycled products

In cooperation with plastic manufacturers, upcycled products such as plastic baskets and triangular cones containing recycled pellets will be manufactured.

PROCESS and SCHEDULE



COST

Planning, collection, and production ▶ 3 million yen~

TEAM



Pirika, Inc.

Location : 2-1 Udagawa-cho, Shibuya-ku, Tokyo, JAPAN

Representative : Fujio Kojima, President

Website : <https://corp.pirika.org/>

Business Description

- Development and operation of Pirika, a social networking service for trash pickup.
- Surveys regarding litter.
- Surveys and research to solve environmental problems.

Inquiries about this service

Project Ikkaku Secretariat (in Leave a Nest)

✉ ikkaku@lne.st

Web site is here.



<https://ikkaku.lne.st/>



ABOUT PROJECT IKKAKU

Project Ikkaku was launched in 2019 by the Nippon Foundation, JASTO, and Leave a Nest with the goal of realizing businesses that reduce marine waste in society.

The project adopts a process that promotes the development and commercialization of innovative technologies through the collaboration of "hyper-interdisciplinary teams" including venture companies with new technologies and unconventional ideas, as well as academic institutions, town factories, large corporations, and small and medium-sized businesses. With support from the Nippon Foundation, a number of services have been developed over a three-year period through 2021.

From April 2022, we will continue to work with the participating teams as a stand-alone project to promote the social implementation of businesses that reduce marine waste.

