

HORIZON  
2020

# Key enabling manufacturing technology for low-cost and sustainable production of fibre-based rigid packaging at scale

## Fact Sheet

### Project Information

**YANGI**

Grant agreement ID: 968384

**DOI**

[10.3030/968384](https://doi.org/10.3030/968384) 

Project closed

**EC signature date**

8 March 2021

**Start date**

1 April 2021

**End date**

31 December 2023

**Funded under**

INDUSTRIAL LEADERSHIP - Innovation In SMEs

**Total cost**

€ 2 848 627,50

**EU contribution**

€ 1 994 039,25

**Coordinated by**

THE LOOP FACTORY AB



Sweden

## Project description

### 3D printing of eco-friendly packaging

Plastic is a fast-growing industrial waste source. Packaging, the main cause of plastic waste generation worldwide, has resulted in regulations and taxation policies aimed at reducing the use of single-use plastics. Cellulose (fibre-based) materials are a viable alternative to replace plastics in several rigid packaging products, but high production costs prevent their wide industrial use. The Loop Factory has developed Yangi – the world's first manufacturing machine delivering low-cost, 3D fibre-based

packaging production at scale. It relies on the low energy consuming efficient process of a one-step production line. The EU-funded YANGI project will demonstrate the innovation running customer pilots in four packaging applications.

## Fields of science (EuroSciVoc)

[social sciences](#) > [economics and business](#) > [economics](#) > [sustainable economy](#)



## Keywords

[circular economy](#)

[sustainable packaging](#)

[plastic waste](#)

[recycling](#)

[fibre-based packaging](#)

## Programme(s)

[H2020-EU.2.3. - INDUSTRIAL LEADERSHIP - Innovation In SMEs](#)

MAIN PROGRAMME

[H2020-EU.3. - PRIORITY 'Societal challenges](#)

[H2020-EU.2.1. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies](#)

## Topic(s)

[EIC-SMEInst-2018-2020 - SME instrument](#)

## Call for proposal

[H2020-EIC-SMEInst-2018-2020](#)

[See other projects for this call](#)

## Sub call

H2020-EIC-SMEInst-2018-2020-3

## Funding Scheme

## Coordinator



### THE LOOP FACTORY AB

Net EU contribution

€ 569 901,63

Total cost

€ 2 848 627,50

Address

**INDUSTRIVAGEN 6B**

**432 40 Varberg**

Sweden

SME

Yes

Region

**Södra Sverige > Västsverige > Hallands län**

Activity type

**Private for-profit entities (excluding Higher or Secondary Education Establishments)**

Links

[Contact the organisation](#)

[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

## Participants (1)

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THIRD-PARTY

### YANGI AB

Sweden

Net EU contribution

€ 1 424 137,62

Address

**THE LOOP FACTORY AB INDUSTRIVAGEN 6**

**432 40 Varberg**

SME

Yes

Region

**Södra Sverige > Västsverige > Hallands län**

Activity type

**Private for-profit entities (excluding Higher or Secondary Education Establishments)**

Links

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Total cost

**No data**

**Last update:** 25 October 2024

**Permalink:** <https://cordis.europa.eu/project/id/968384>

European Union, 2025