

## Did you know this about Enocell and its products?

- The Enocell Mill produces as much as 30% of total energy consumed in North Karelia.
- The annual energy production is approximately 360 GWh, out of which one sixth is electricity and the rest is heat.
- The pulp produced in the mill is used to manufacture tissue paper, cardboard and catalogues.
- The dissolving pulp manufactured in the mill is used in textile production. Other applications of dissolving pulp include cellophane, sausage casings and special papers.
- Mantsinen Group Ltd Oy is responsible for the Enocell Mill operations at the timber yard, from the reception of the raw material to the process of feeding it to the debarking plant. A significant proportion of the wood processing work is completed with 100% renewable energy.

## Did you know this about the Uimaharju sawmill and its products?

- Timber lorries arrive at the sawmill every 20 minutes from a radius of about 90 kilometres.
- Almost half of all sawn timber produced in Uimaharju is sold in the Mediterranean region.
- When converted into energy, the by-product flow of the Uimaharju sawmill is equal to 170 GWh/year, which would be enough to heat nearly 10,000 detached houses.

Download cards: [www.pohjois-karjala.fi/bioteollisuusalueet](http://www.pohjois-karjala.fi/bioteollisuusalueet)

# Uimaharju-Joensuu

Bioindustrial areas in North Karelia - information card

# Uimaharju-Joensuu

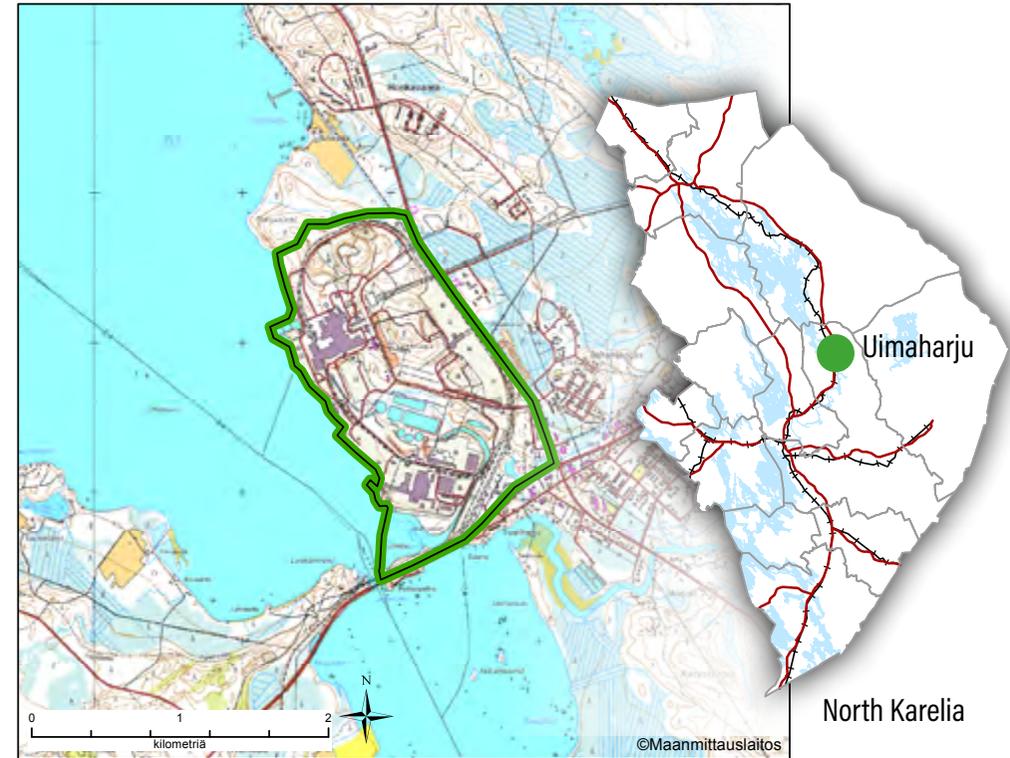
## General description of the area

The Uimaharju bioindustrial area is located close to the Uimaharju district of Joensuu, about 45 kilometres northeast of the centre of Joensuu. The area is located in the immediate vicinity of the main road 73 and along the railway line between Joensuu and Nurmes and has timber loading and storage areas. The area is bordered by Lake Rukavesi to the west. In the regional land use plan, the area is marked as an area for employment and energy infrastructure. Updating of the local detailed plan for the area began in spring 2016.

There are several companies operating in the area and the most important of them are the Enocell Mill and the Uimaharju Sawmill, which are both owned by Stora Enso. As a whole, there are currently approximately 350 people working in the area.

## Current situation and outlook for the future

In 2019, the Enocell Mill is still producing bleached pulp from softwood and dissolving pulp from birch. Dissolving pulp is used in the production of textiles and other special products. There is an increasing interest in renewable and recyclable materials. Dissolving pulp can be used as an alternative material to replace cotton and different oil-based materials, such as polyester. Stora Enso is investing in the conversion of the Enocell Mill into a mill producing solely dissolving pulp. In the future, the mill will be able to produce both traditional pulp and renewable material, dissolving pulp, to be used by the textile industry, among others. The investment will be completed by the end of 2019.



## Companies operating in the area

### Stora Enso Oyj Enocell Mill

- Use of timber: 2.7 million m<sup>3</sup> of timber each year
- The production capacity in 2018 was 470,000 tonnes of bleached softwood and dissolving pulp
- By-products: electricity, pine oil and turpentine

### Stora Enso Wood Products Oy Ltd

#### Uimaharju Sawmill

- Use of timber: 2.7 million m<sup>3</sup> of timber each year
- Capacity: 240,000 m<sup>3</sup> of sawn timber, 20,000 of heat treated wood
- By-products: chips, sawdust and bark
- The sawmill's by-products are transported to the Enocell Mill