

# Sustinalube

## Innovative environmental lubricant

Sustinalube is an environmentally-friendly and oil-free lubricant developed within Luleå University of Technology's innovation system.

### Overview

Our ground-breaking lubricants are oil-free and created from an entirely new base, providing great benefits for users with regard to fire safety, cleanliness and environmental impact.

We were inspired by the growing need to change from oil-based products to environmentally friendly ones, not just because of the limitations of fossil fuels but also to protect the environment.

### Market potential

In the mining sector, large amounts of lubricants leak and pollute the environment. In addition to polluting, those lubricants typically do not have fire retardant properties, posing a serious safety issue for the mining sector. Our innovation has favourable flame retardant and ecotoxicological properties and is also biodegradable, making it much more environmentally friendly than other alternatives.

### EIT Raw Materials support

EIT Raw Materials, together with SIP STRIM, held a pitch event in Stockholm where we were one of the winning companies and received a cheque for SEK 400,000. This funding has allowed us to carry out a deeper feasibility study looking at the application of our technology in the mineral and mining industries.

During the event, we also made contact with several prominent industry partners, which is very important and valuable to our company.



### Key facts

**Project started:** 2012

**KIC:** EIT Raw Materials

**Theme:** Working towards an oil-free world

**No. of partners:** 5-10  
(currently building team)

Sustinalube has a patented (pending) technology that suits multiple applications identified in five different areas of industry. After four years of research, a first application for the forestry industry will be launched by the end of 2016. The next step is to take the mineral and mining industries area from the development stage to market.



## Societal impact

Sustainalube's lubricants contribute to increased safety and working conditions without compromising performance. In addition, as a superior and oil-free lubricant, it contributes to a sustainable and oil-free world.

## Achievements so far...

- Developed a well-performing lubricant for our test users and future customers, who have had a highly positive reaction to the improved working conditions resulting from use of our lubricant.



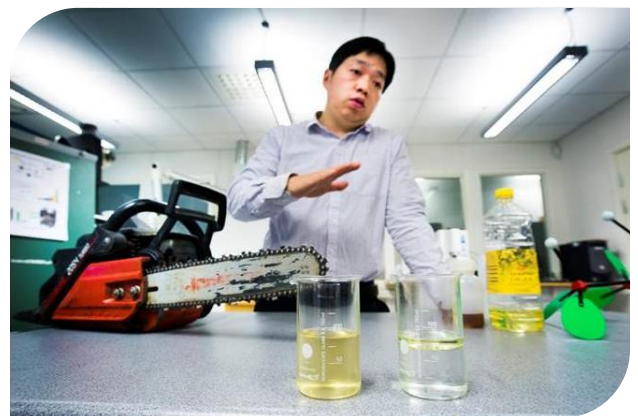
*Sustainalube was one of the winners at the EIT Raw Materials pitch event in Stockholm, February 2016*

## Teamwork

We are currently building our team and seeking partners and stakeholders at all levels of the value chain of our chosen market areas. For the mineral and mining industries area, we have only recently started and have one industry partner.

The role of the partners includes:

- building team resources
- providing access to expertise and technology
- providing funding
- verifying and validating technology (market partners) to help find selected focused targets and applications



This team building has been strongly supported by our business advisor, who is also the interim business developer at the Northern Co-location Centre of EIT Raw Materials.

## More information

Christian Olsson (Project Manager)  
christian.olsson@sustainalube.com  
www.sustainalube.com (under construction)



The EIT is a body of the European Union

