Drones in forest operator education

The learning effect increases for both observers and operators when seeing their work from a new angle, providing an opportunity for safe observation of pupils at work

Established 75 years ago, Solør VGS Sønsterud has since been a national leader in training for forestry operations. The campus is currently part of Solør VGS with around 500 students aged 16-18 years and 135 employees. Teaching takes place both indoors and outdoors and allows pupils a practical approach to forestry. The curriculum follows the yearly season with planning, forest culture and logging.

Drones are used as a supplement to teaching, where they film objects and stock as a basis for work in teaching. This is to visualize select challenges or to show before/after an activity. When training operation of forestry machines, drones allow students and teachers to see the work from a birds-eye perspective. Used correctly, this may lead to increased learning both for those who observe, but especially for those who are observed and who get to see themselves at work. The time every pupil can spend operating forestry machines is limited, it is therefore important to make good use of the time available. By filming every student operating a forestry machine, the learning outcome will be increased for the students by allowing them to see themselves and get positive and constructive feedback. Drones allow prioritization of areas for improvement.

DETAILS

ORIGIN OF WOOD

--

TYPE OF WOOD

--

KIND OF WOOD CONCERNED

--

IMPACT ON ENVIRONMENT & BIODIVERSITY

--

INCOME EFFECT

--

EXPLOITATION POTENTIAL

--

HUB

Northern Hub

ECONOMIC IMPACT

--

SPECIFIC KNOWLEDGE NEEDED

--

MOBILIZATION POTENTIAL

--

SUSTAINABILITY POTENTIAL - VALUE

--

EASE OF IMPLEMENTATION

--

EASE OF IMPLEMENTATION - EVALUATION

--

KEY PREREQUISITES

--

TYPE OF EVENT WHERE THIS BPI HAS BEEN FEATURED

--

JOB EFFECT

--

COSTS OF IMPLEMENTATION (EURO - €)

--

MORE DETAILS

CHALLENGE ADDRESSED

4.- Ensure a well-trained workforce through attractive skills development and education

KEYWORDS

drones

learning

Education

COUNTRY OF ORIGIN

Norway

DOMAIN

Harvesting, infrastructure, logistics

Education and training

DIGITAL SOLUTION

Yes

SCALE OF APPLICATION

Regional/sub-national

TYPE OF SOLUTION

eLearning, blended learning

INNOVATION

Yes

START AND END YEAR

--

CONTACT DATA

OWNER OR AUTHOR

Solør High School

Head of Dpt. Helge Strætkvern

helge.straetkvern@hedmark.org

https://www.soloer.vgs.no

REPORTER

Tretorget A/S

Ola Rostad

ola@tretorget.no

REFERENCES AND RESOURCES

MAIN WEBSITE

https://www.soloer.vgs.no

PROJECT WEBSITE

https://www.soloer.vgs.no/hovedmeny/utdanningstilbud/naturbruk/

PROJECT REFERENCE

--

RESOURCES

--

PROJECT UNDER WHICH THIS FACTSHEET HAS BEEN CREATED

Rosewood 4.0

POST DATE

12 Aug 2021

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 862681

A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY