

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

HERKUNFT DES HOLZES	MOBILISIERUNGSPOTENZIAL
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ART DES HOLZES	POTENZIAL FÜR NACHHALTIGKEIT - WERT
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ART DES BETROFFENEN HOLZES	LEICHTE IMPLEMENTIERUNG
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AUSWIRKUNGEN AUF UMWELT UND BIODIVERSITÄT	LEICHTE IMPLEMENTIERUNG - BEWERTUNG
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EINKOMMENSEFFEKT	WICHTIGE VORAUSSETZUNGEN
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VERWERTUNGSPOTENZIAL	ART DER VERANSTALTUNG, AUF DER DIESE BPI VORGESTELLT WURDE
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NABE	ARBEITSPLATZEFFEKT
Nördliches Drehkreuz	--
WIRTSCHAFTLICHE AUSWIRKUNGEN	KOSTEN DER IMPLEMENTIERUNG (EURO - €)
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SPEZIFISCHES WISSEN ERFORDERLICH	
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MEHR DETAILS

ANGESPROCHENE HERAUSFORDERUNG	DOMÄNE	ART DER LÖSUNG
4. Sicherstellung von gut ausgebildeter Arbeitskräfte durch attraktive Qualifikationsentwicklung und Bildung	Holzerne, Infrastruktur, Logistik Bildung und Ausbildung	eLearning, Blended Learning
SCHLÜSSELWÖRTER	DIGITALE LÖSUNG	INNOVATION
drones learning Education	Ja	Ja
HERKUNFTSLAND	UMFANG DER ANWENDUNG	ANFANGS- UND ENDJAHR
Norwegen	Regional/sub-national	--

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REFERENCES AND RESOURCES

HAUPT-WEBSITE	RESSOURCEN
https://www.soloer.vgs.no	--
PROJEKT-WEBSITE	
https://www.soloer.vgs.no/hovedmeny/utdanningstilbud/naturbruk/	
PROJEKT-REFERENZ	
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PROJEKT, IN DESSEN RAHMEN DIESES FACTSHEET ERSTELLT WURDE

Rosewood 4.0

BEITRAGSDATUM

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

