

Cable yarding simulation



VeroSim Cable Yarding

Based on the forest digital twin, timber harvesting with a cable crane can be simulated. Working times, machine hours and the timber assortments produced are added up and displayed graphically. The results can be used to compare different variants of line layout and intervention strength and thus determine an optimum.

Timber harvesting with a cable crane method is simulated and all work steps and the harvested timber assortments are totaled so that the results of the simulation can improve the executed felling.

PODROBNOSTI

IZVOR LEŠA

Gozd

TIP LEŠA

Okrogli les

POTENCIJAL ZA MOBILIZACIJO

> 50'000 m³ for Switzerland

VRSTA OBRAVNANEGA LEŠA

Logs and whole trees

ENOSTAVNOST IZVEDBE

Specialist knowledge is required

VPLIV NA OKOLJE IN BIODIVERZITETO

Forests adapted to climate change thanks to intervention in inaccessible terrain.

ENOSTAVNOST IZVEDBE - OCENJEVANJE

Težavno

VPLIV NA PRIHODKE

Improved profitability of logging in steep terrain

KLJUČNI PREDPOGOJI

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POTENCIJAL IZKORIŠČANJA

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VRSTA DOGODKA, NA KATEREM JE BIL PREDSTAVLJEN TA BPI

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VOZLIŠČE

Srednje-zahodno vozlišče

VPLIV NA DELOVNA MESTA

Optimized planning

GOSPODARSKI VPLIV

Reduced installation cost, improved profitability

STROŠKI IZVEDBE (EURO - €)

5000

POTREBNO SPECIFIČNO ZNANJE

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IZZIV

5. Izboljšanje gospodarske in ekološke učinkovitosti gozdne oskrbovalne verige Sečna in spravilo, infrastruktura, logistika

TIP REŠITVE

Svetovanje in storitve za lastnike gozdov

KLJUČNE BESEDE

cable-crane

digital-twin

DOMENA

DIGITALNE REŠITVE

Da

INOVACIJA

Da

IZVORNA DRŽAVA

Švica

OBSEG UPORABE

Čezmejni / Transnacionalni

ZAČETNO IN KONČNO LETO

2021 - 2025

**KONTAKTN
PODATKI**

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**REFERENCES
AND RESOURCES**

SPLETNA STRAN

<https://www.bfh.ch/en/research/research-projects/2021-297-267-347/>

VIRI

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SPLETNA STRAN PROJEKTA

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REFERENCA PROJEKTA

Cable yarding simulation 4.0

LOGOTIP DOBRE PRAKSE

LOGOTIP GLAVNE
ORGANIZACIJE

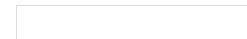


PROJEKT, V OKVIRU KATEREGA SO BILI ZBRANI OSNOVNI PODATKI

Rosewood 4.0

DATUM OBJAVE

11 Dec 2023



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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY



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