

# 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.

## DETALJI

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### PODRIJETLO DRVA

Šuma

### VRSTA DRVA

Deblo

### ODGOVARAJUĆA VRSTA DRVA

Logs and whole trees

### UTJECAJ NA OKOLIŠ I BIORAZNOLIKOST

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

### UČINAK NA PRIHOD

Improved profitability of logging in steep terrain

### POTENCIJAL ISKORISTIVOSTI

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### SREDIŠTE

Centralno-zapadno čvorište

### GOSPODARSKI UČINAK

Reduced installation cost, improved profitability

### POTREBNA POSEBNA ZNANJA

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### POTENCIJAL ZA POVEĆANJE UPORABE DRVA

> 50'000 m<sup>3</sup> for Switzerland

### POTENCIJAL ODRŽIVOSTI - VRIJEDNOST

Pozitivan

### JEDNOSTAVNOST PROVEDBE

Specialist knowledge is required

### JEDNOSTAVNOST PROVEDBE - EVALUACIJA

teško

### KLJUČNI PREDUVJETI

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### VRSTA DOGAĐAJA NA KOJEM JE PRIKAZAN OVAJ BPI

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### UČINAK NA ZAPOŠLJIVOST

Optimized planning

### TROŠKOVI PROVEDBE (EURO - €)

5000

## VIŠE DETALJA

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<b>IZAZOV</b> 5. Unaprjeđenje učinkovitosti lanca opskrbe šumom na gospodarstvo i okoliš	<b>DOMENA</b> Sječa, infrastruktura, logistika	<b>VRSTA RJEŠENJA</b> Savjetodavni i uslužni alati za vlasnike šuma
<b>KLJUČNE RIJEČI</b> cable-crane digital-twin	<b>DIGITALNO RJEŠENJE</b> Da	<b>INOVACIJA</b> Da
<b>ZEMLJA PODRIJETLA</b> Švicarska	<b>PODRUČJE PRIMJENE</b> Prekogranična / multilateralna	<b>POČETAK I KRAJ GODINE</b> 2021 - 2025

## KONTAKT PODATCI

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## REFERENCES AND RESOURCES

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

**WEB STRANICA PROJEKTA**

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**REFERENCA PROJEKTA**  
Cable yarding simulation 4.0

**IZVORI**

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PROJEKT U OKVIRU KOJEG JE INFORMATIVNI LIST KREIRAN

Rosewood 4.0

DATUM UNOSA

11 pro 2023



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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

