

# 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

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### IZVOR LESA

Gozd

### TIP LESA

Okrogli les

### VRSTA OBRAVNAVANEGA LESA

Logs and whole trees

### VPLIV NA OKOLJE IN BIODIVERZITETO

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

### VPLIV NA PRIHODKE

Improved profitability of logging in steep terrain

### POTENCIAL IZKORIŠČANJA

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### VOZLIŠČE

Srednje-zahodno vozlišče

### GOSPODARSKI VPLIV

Reduced installation cost, improved profitability

### POTREBNO SPECIFIČNO ZNANJE

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### POTENCIAL ZA MOBILIZACIJO

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

### TRAJNOST - VREDNOST

Pozitivno

### ENOSTAVNOST IZVEDBE

Specialist knowledge is required

### ENOSTAVNOST IZVEDBE - OCENJEVANJE

Težavno

### KLJUČNI PREDPOGOJI

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### VRSTA DOGODKA, NA KATEREM JE BIL PREDSTAVLJEN TA BPI

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### VPLIV NA DELOVNA MESTA

Optimized planning

### STROŠKI IZVEDBE (EURO - €)

5000

## VEČ PODROBNOSTI

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<b>IZZIV</b> 5. Izboljšanje gospodarske in ekološke učinkovitosti gozdne oskrbovalne verige	<b>DOMENA</b> Sečnja in spravilo, infrastruktura, logistika	<b>TIP REŠITVE</b> Svetovanje in storitve za lastnike gozdov
<b>KLJUČNE BESEDE</b> cable-crane digital-twin	<b>DIGITALNE REŠITVE</b> Da	<b>INOVACIJA</b> Da
<b>IZVORNA DRŽAVA</b> Švica	<b>OBSEG UPORABE</b> Čezmejni / Transnacionalni	<b>ZAČETNO IN KONČNO LETO</b> 2021 - 2025

## KONTAKTNI PODATKI

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<b>LASTNIK OZ. AVTOR</b> BFH-HAFL Michael Starke michael.starke@bfh.ch <a href="https://www.bfh.ch/hafl/en/">https://www.bfh.ch/hafl/en/</a>	<b>POROČEVALEC</b> BFH-HAFL Thür peter.thuer@bfh.ch
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## REFERENCES AND RESOURCES

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<b>SPLETNA STRAN</b> <a href="https://www.bfh.ch/en/research/research-projects/2021-297-267-347/">https://www.bfh.ch/en/research/research-projects/2021-297-267-347/</a>	<b>VIRI</b> --
<b>SPLETNA STRAN PROJEKTA</b> --	
<b>REFERENCA PROJEKTA</b> Cable yarding simulation 4.0	



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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

