

# Ponsse Scorpion King



Finland has a lot of peatland and other areas with soft terrain. The challenge is that the soft terrain does not enable harvesting in the summertime.

The stability of the harvester comes from its eight wheels and active stabilization system. The patented stabilization system is based on detecting the crane direction and position, on the basis of which the rear frame is pressed in the working direction. Pressing the rear wheels against the ground and the weight of the rear frame improve the machine's stability significantly when working on the side of the machine – also when the machine is moving.

The Cabin leveling, balances the cabin, also in difficult terrain. The frame of the machine consists of three parts linked by rotating joints. The cabin is located in the middle frame, which is kept hydraulically balanced, while the front and rear frames tilt according to the terrain.

Scorpion King is a three-frame harvester equipped with a fork boom. Its balancing keeps the cabin horizontal in all conditions. In addition, visibility from the cabin is perfect thanks to large glass surfaces and as the crane does not block the view in any direction. Its double-circuit hydraulics ensure that power does not run out even in difficult conditions. The balanced machine is at its best in demanding conditions and uneven terrain.

## DETAILS

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### ORIGIN OF WOOD

Forest

### TYPE OF WOOD

Stemwood

### KIND OF WOOD CONCERNED

Stemwood

### IMPACT ON ENVIRONMENT & BIODIVERSITY

Positive

### INCOME EFFECT

Positive

### EXPLOITATION POTENTIAL

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### HUB

Northern Hub

### ECONOMIC IMPACT

Medium

### SPECIFIC KNOWLEDGE NEEDED

Good driving skills

### MOBILIZATION POTENTIAL

Not possible to assess

### SUSTAINABILITY POTENTIAL - VALUE

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### EASE OF IMPLEMENTATION

Medium

### EASE OF IMPLEMENTATION - EVALUATION

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### KEY PREREQUISITES

Access to forest assets in challenging terrains

### TYPE OF EVENT WHERE THIS BPI HAS BEEN FEATURED

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### JOB EFFECT

Positive

### COSTS OF IMPLEMENTATION ( EURO - € )

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## MORE DETAILS

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### CHALLENGE ADDRESSED

5.- Enhance economic and environmental performance of forest supply chains

### KEYWORDS

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### COUNTRY OF ORIGIN

Finland

### DOMAIN

Forest management, ecosystem, resilience  
Harvesting, infrastructure, logistics

### DIGITAL SOLUTION

No

### SCALE OF APPLICATION

National

### TYPE OF SOLUTION

Smart machinery, equipment

### INNOVATION

No

### START AND END YEAR

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## CONTACT DATA

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### OWNER OR AUTHOR

Ponsse

### REPORTER

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## REFERENCES AND RESOURCES

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### MAIN WEBSITE

<https://www.ponsse.com/en/web/guest/products/harvesters/product>

### PROJECT WEBSITE

[https://www.ponsse.com/products/harvesters/product/-/p/scorpion\\_king#/](https://www.ponsse.com/products/harvesters/product/-/p/scorpion_king#/)

### PROJECT REFERENCE

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### RESOURCES

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LOGO OF BEST PRACTICE



LOGO OF MAIN  
ORGANIZATION



PROJECT UNDER WHICH THIS FACTSHEET HAS BEEN CREATED

Rosewood

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

