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

HERKUNFT DES HOLZES

Wald

ART DES HOLZES

Stammholz

ART DES BETROFFENEN HOLZES

Stemwood

AUSWIRKUNGEN AUF UMWELT UND BIODIVERSITäT

Positive

EINKOMMENSEFFEKT

Positive

VERWERTUNGSPOTENZIAL

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NABE

Nördliches Drehkreuz

WIRTSCHAFTLICHE AUSWIRKUNGEN

Medium

SPEZIFISCHES WISSEN ERFORDERLICH

Good driving skills

MOBILISIERUNGSPOTENZIAL

Not possible to assess

POTENZIAL FüR NACHHALTIGKEIT - WERT

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LEICHTE IMPLEMENTIERUNG

Medium

LEICHTE IMPLEMENTIERUNG - BEWERTUNG

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WICHTIGE VORAUSSETZUNGEN

Access to forest assets in challenging terrains

ART DER VERANSTALTUNG, AUF DER DIESE BPI VORGESTELLT WURDE

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ARBEITSPLATZEFFEKT

Positive

KOSTEN DER IMPLEMENTIERUNG (EURO - €)

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MEHR DETAILS

ANGESPROCHENE HERAUSFORDERUNG

5. Verbesserung der wirtschaftlichen und ökologischen Leistung der forstwirtschaftlichen Forstlieferketten

DOMäNE

Waldmanagement, Waldbau, Ökosystemleistungen, Resilienz

Holzernte, Infrastruktur, Logistik

ART DER LöSUNG

Intelligente Maschinen, Ausrüstung

SCHLüSSELWöRTER

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DIGITALE LöSUNG

Nein

INNOVATION

Nein

HERKUNFTSLAND

Finnland

UMFANG DER ANWENDUNG

National

ANFANGS- UND ENDJAHR

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REPORTER

REFERENCES AND RESOURCES

HAUPT-WEBSITE

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

PROJEKT-WEBSITE

https://www.ponsse.com/products/harvesters/product/-/p/scorpion_king#/

PROJEKT-REFERENZ

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RESSOURCEN

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LOGO DER BEST PRACTICE

LOGO DER HAUPTORGANISATION



PROJEKT, IN DESSEN RAHMEN DIESES FACTSHEET ERSTELLT WURDE

Rosewood

BEITRAGSDATUM

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Link to Rosewood 4.0

A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY