

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

MOBILISIERUNGSPOTENZIAL

Not possible to assess

ART DES BETROFFENEN HOLZES

Stemwood

LEICHTE IMPLEMENTIERUNG

Medium

AUSWIRKUNGEN AUF UMWELT UND BIODIVERSITÄT

Positive

LEICHTE IMPLEMENTIERUNG - BEWERTUNG

--

EINKOMMENSEFFEKT

Positive

WICHTIGE VORAUSSETZUNGEN

Access to forest assets in challenging terrains

VERWERTUNGSPOTENZIAL

--

ART DER VERANSTALTUNG, AUF DER DIESE BPI VORGESTELLT WURDE

--

NABE

Nördliches Drehkreuz

ARBEITSPLATZEFFEKT

Positive

WIRTSCHAFTLICHE AUSWIRKUNGEN

Medium

KOSTEN DER IMPLEMENTIERUNG (EURO - €)

--

SPEZIFISCHES WISSEN ERFORDERLICH

Good driving skills

MEHR DETAILS

ANGESPROCHENE HERAUSFORDERUNG	DOMÄNE	ART DER LÖSUNG
5. Verbesserung der wirtschaftlichen und ökologischen Leistung der forstwirtschaftlichen Forstlieferketten	Waldmanagement, Waldbau, Ökosystemleistungen, Resilienz	Intelligente Maschinen, Ausrüstung
Schlüsselwörter	Holzernte, Infrastruktur, Logistik	
--	DIGITALE LÖSUNG	INNOVATION
Herkunftsland	Nein	Nein
Finnland	UMFANG DER ANWENDUNG	ANFANGS- UND ENDJAHR
	National	--

KONTAKTDATEN

EIGENTÜMER ODER AUTOR	REPORTER
Ponsse	
sampo.pulju@ponsse.com	

REFERENCES AND RESOURCES

HAUPT-WEBSITE	RESSOURCEN
https://www.ponsse.com/en/web/guest/products/harvesters/product	--
PROJEKT-WEBSITE	
https://www.ponsse.com/products/harvesters/product/-/p/scorpion_king#/	
PROJEKT-REFERENZ	--

LOGO DER BEST PRACTICE



LOGO DER
HAUPTORGANISATION

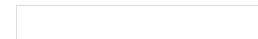


PROJEKT, IN DESSEN RAHMEN DIESES FACTSHEET ERSTELLT WURDE

Rosewood

BEITRAGSDATUM

17 Sep 2019



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No.

862681

A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY



□