

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.

DETALLES

ORIGEN DE LA MADERA

Bosque

TIPO DE MADERA

Madera en rollo

POTENCIAL DE MOVILIZACIÓN

Not possible to assess

POTENCIAL DE SOSTENIBILIDAD - VALOR

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TIPO DE MADERA AFECTADA

Stemwood

FACILIDAD DE APLICACIÓN

Medium

IMPACTO EN EL MEDIO AMBIENTE Y LA BIODIVERSIDAD

Positive

FACILIDAD DE IMPLEMENTACIÓN - EVALUACIÓN

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EFFECTO SOBRE LOS INGRESOS

Positive

PREREQUISITOS CLAVE

Access to forest assets in challenging terrains

POTENCIAL DE EXPLOTACIÓN

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TIPO DE EVENTO EN EL QUE SE HA PRESENTADO ESTA IFS

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HUB

Eje Norte

EFFECTO SOBRE EL EMPLEO

Positive

IMPACTO ECONÓMICO

Medium

COSTES DE IMPLEMENTACIÓN (EURO - €)

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CONOCIMIENTOS ESPECÍFICOS NECESARIOS

Good driving skills

MÁS DETALLES

RETO ABORDADO	DOMINIO	TIPO DE SOLUCIÓN
5. Mejorar el rendimiento económico y medioambiental de las cadenas de suministro forestal	Gestión forestal, silvicultura, servicios ecosistémicos, resiliencia Aprovechamiento, infraestructura, logística	Maquinaria y equipos inteligentes
PALABRAS CLAVE	SOLUCIÓN DIGITAL	INNOVACIÓN
--	No	No
PAÍS DE ORIGEN	ESCALA DE APLICACIÓN	AÑO DE INICIO Y FIN
Finlandia	Nacional	--

DATOS DE CONTACTO

PROPIETARIO O AUTOR	REPORTADOR
Ponsse	
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REFERENCES AND RESOURCES

SITIO WEB PRINCIPAL	RECURSOS
https://www.ponsse.com/en/web/guest/products/harvesters/product	--
SITIO WEB DEL PROYECTO	
https://www.ponsse.com/products/harvesters/product/-/p/scorpion_king#/	
REFERENCIA DEL PROYECTO	
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LOGO DE LA BUENA
PRÁCTICA



LOGOTIPO DE LA
ORGANIZACIÓN PRINCIPAL



PROYECTO BAJO EL QUE SE HA CREADO ESTA FICHA

Rosewood

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY



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