

Swing Assist

2021 IPLOCA NEW TECHNOLOGIES AWARD

SUBMISSION BY

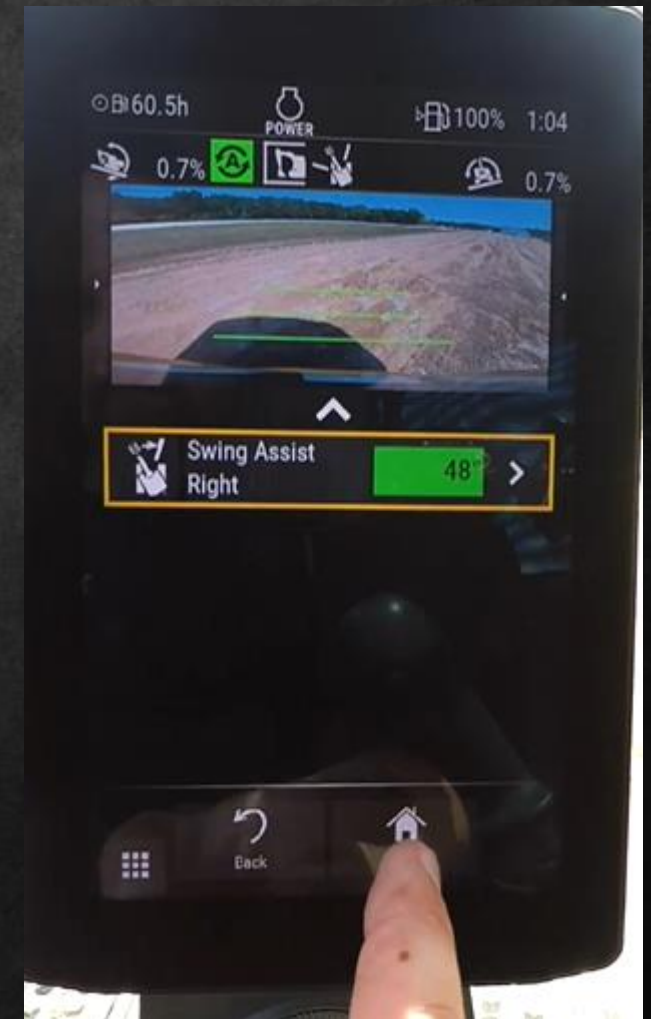
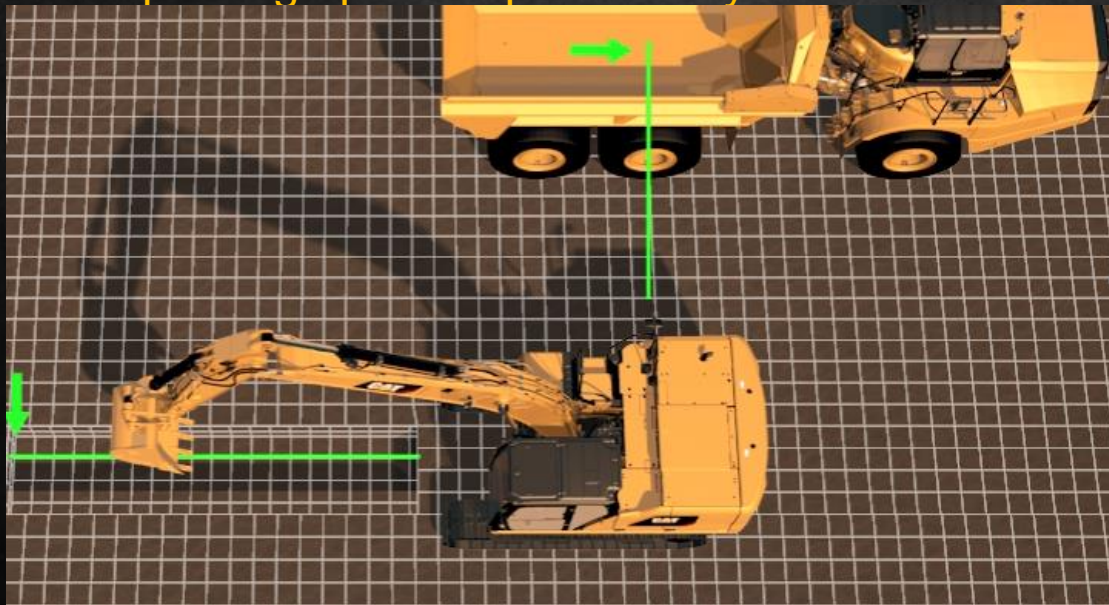
CATERPILLAR



SWING ASSIST

How does it work?

- The excavator automatically stops swinging within the preset boundaries.
- An operator sets the bucket position to the center of the ditch and center of the spoil pile or truckbed on the in-cab screen. When the operator swings the machine from the spoil pile back to trench, the bucket stops at the preset position over the trench centerline. After the digging cycle, the operator swings to the pile and the machine stops the swing at the preset center of the spoil pile.
- Swing Assist results in no over, nor underswing - saving time, fuel and improving operator productivity.



SWING ASSIST



More detailed information on Cat Youtube channel at:
<https://www.youtube.com/watch?v=VYI8xyCzFwA>



SWING ASSIST

Why is it needed?

- Trenching and excavation is a critical part of pipeline construction. Swing Assist helps an operator perform repetitive operations for the entire shift, maintaining the same trenching speed and load placement accuracy the entire work shift.

How does it help?

- Reduces operator fatigue
- Increases operator confidence
- Increases safety at job site
- Combined with other Cat technologies, increases efficiency up to 45% (tons/L)

