

## HOW CAN YOU AVOID WHAT YOU CAN'T SEE?

Introducing SNS SiTRACK, a dynamic, real-time system to enhance the safety of stockpile operations.

Avoid costly damage to infrastructure, reduce downtime and effectively manage stockpiled material.

Employing smart & dynamic geo-reference boundaries surrounding both mobile plant, fixed infrastructure or hazardous areas, collisions are avoided.

## USE ON ANY MACHINE TYPE

SNS SiTRACK is an advanced collision detection system that can be used on any vehicle such as dozers, conveyers, stackers and reclaimers - anything that is used for stockpile management.

## FLEXIBLE FILE TYPE

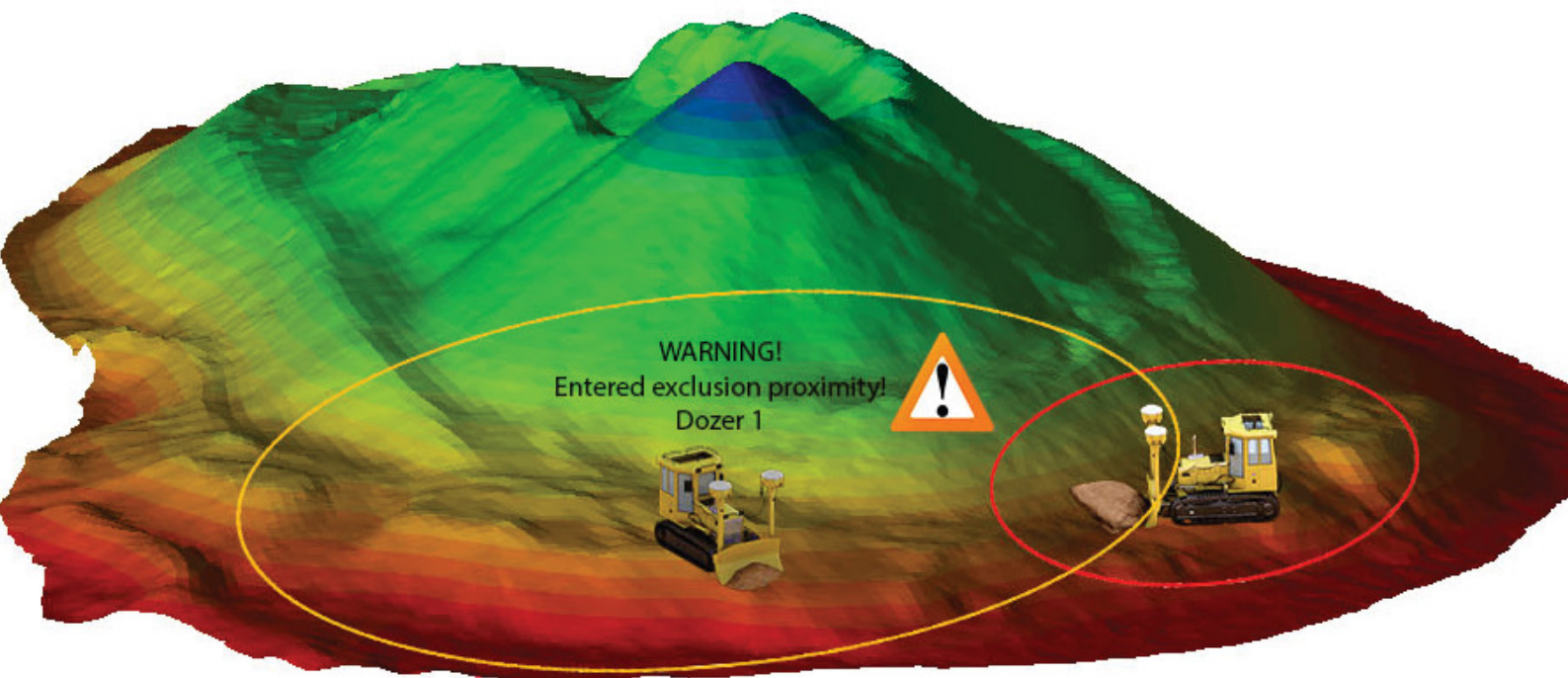
A streamlined workflow allows integration with over 40 file types, including ESRI Shape files and Digital Terrain Models draped with Raster images, which can be added to simulate current terrain conditions.

## ANOTHER HEADING HERE

Integrated software comes pre-loaded on a 12.1" rugged android tablet that provides 4 levels of collision detection. Combined with two advanced 220 channel Trimble GNSS receivers supporting multiple constellations including Beidou and QZSS for performance positioning around infrastructure. In addition the GNSS receivers also leverage Trimble Proprietary xFill RTK augmentation.

## ANOTHER HEADING HERE

Applications of SNS SiTRACK include manned; semi-autonomous or autonomous or remote control machines.



# SNS SiTRACK COLLISION DETECTION

## The Solution:

SNS SiTRACK prevents collisions between dozers and;

- Other Dozer/s
- stackers
- conveyors
- pylons and other infrastructure; and
- coal valves

It also warns of encroachment to hazardous areas like;

- Hoppers
- Chutes
- Draw Points
- Voids
- Vaults

SNS SiTRACK is fully compatible with any wireless system onsite, or SITECH WA can design and install a Rajant Wireless mesh system for the fastest data transfer rate available in the market. Rajant's propriety, patented InstaMesh technology ensures the most robust and reliable data transfer available.

Proximity and breach zones provide visual and audible alerts and warnings for an operator, or mechanical warnings and shut-offs for remote controlled or autonomous vehicles. SNS SiTRACK provides the highest level of safety to prevent harm to operators and damage to key assets.



*Visual Display - All clear*



*Visual Warning 1: Entered Exclusion Proximity*



*Visual Warning 2: Entered Exclusion Zone*

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