

Press release bauma 2022

indurad 's 2D and 3D Radar sensors building a "smart home" for mining and bulk material handling

Intro

- extraordinary results after retrofitting one of Canada's largest loadout stations: +41% train loading speed & -50% underloading.
- "Peace of mind" for a Belgian bioenergy production plant thanks to process optimization using 3D silo scanning in real-time.
- shiploader CAS (collision avoidance system) implementation in <1 week in the USA.
- crusher stations at Chile's major copper producer:
Deployment of 2D and 3D radars enabled unloading of +25% more trucks per hour and +14.8 million US dollar EBITDA.

Text

The global environmental and economic crisis impacts mining and raw material supply chains and changes how they must operate. This creates the need for continuous as well as disruptive inventions and innovations. With their focus on mining and bulk material handling, indurad is delivering one of the key technologies to improve efficiency, reduce footprints (e.g., energy consumption, dust exposure) and drive costs down by combining their 2D and 3D radar sensors with solution software packages and implementation expertise.

indurad's unique 2D and 3D radar sensors outperform lasers, cameras, and human eyes in harsh environmental conditions. Whenever radar sensors are the best option, we use them to improve mining processes and bulk material handling operations.

Since the last bauma in 2019, indurad (founded in 2008) has developed rapidly from a project-based company using their sensors to a standardized product provider. Our customers now benefit from this through faster implementation, better project quality, and sustainable product lifecycle management.

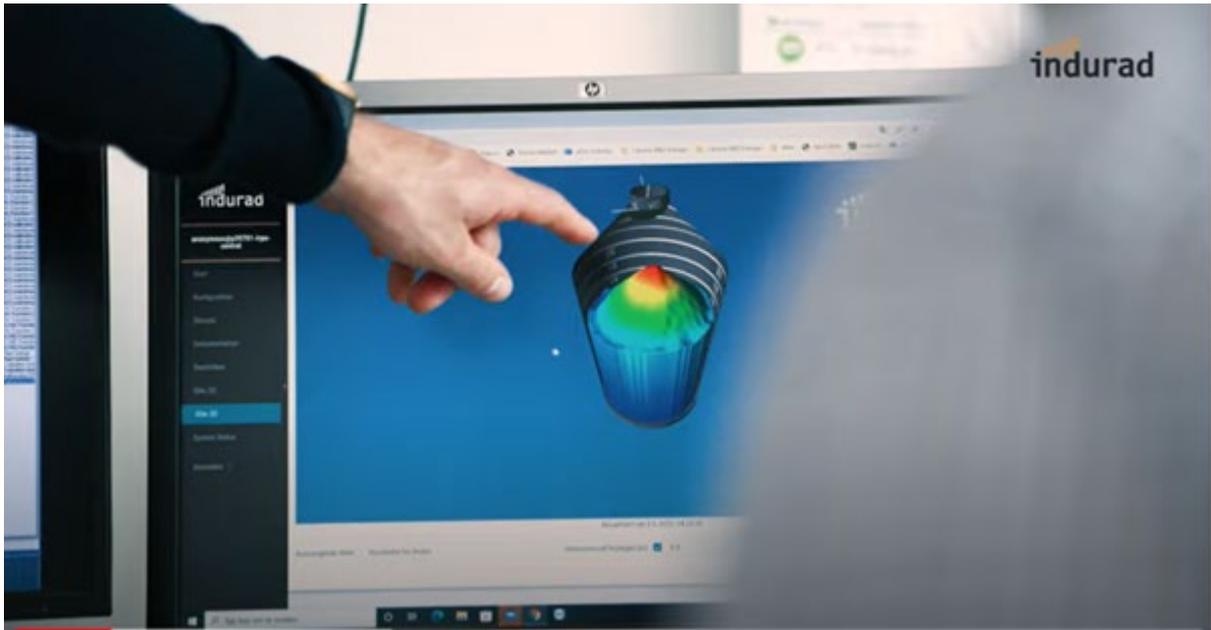
indurad has reduced the magnitude of solution applications and invested heavily in the maturity and quality of our products, e.g., iBelt, iSilo, iDome, iLoadout, iCrusher, iCAS2D, iStockpile. Therefore, we proudly present our outstanding upgrades with solutions for 3D inventory measurement (silos, domes, stockpiles), material tracking, stacker + reclaimer + ship loader collision avoidance and full automation, primary and secondary automation crusher optimization, and loadout optimization. If several solutions are connected, we build a "smart home" for mines and plants, react to changes in the operation and offer a service to calculate the optimum inventory to keep.

indurad has subsidiaries in Australia, South Africa, Chile, Brazil, the USA, and Canada. In other regions of the world, we have teamed up with strong local partners and integrators to be close to our customers.

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**Meet us at the joint stand of the State of North Rhine-Westphalia:
Hall C2, Stand 225/12**



Picture (1): peace of mind for production planning: Live 3D inventory control



Picture (2): iSDR-P: Robust 3D radar built for harsh and dusty environment