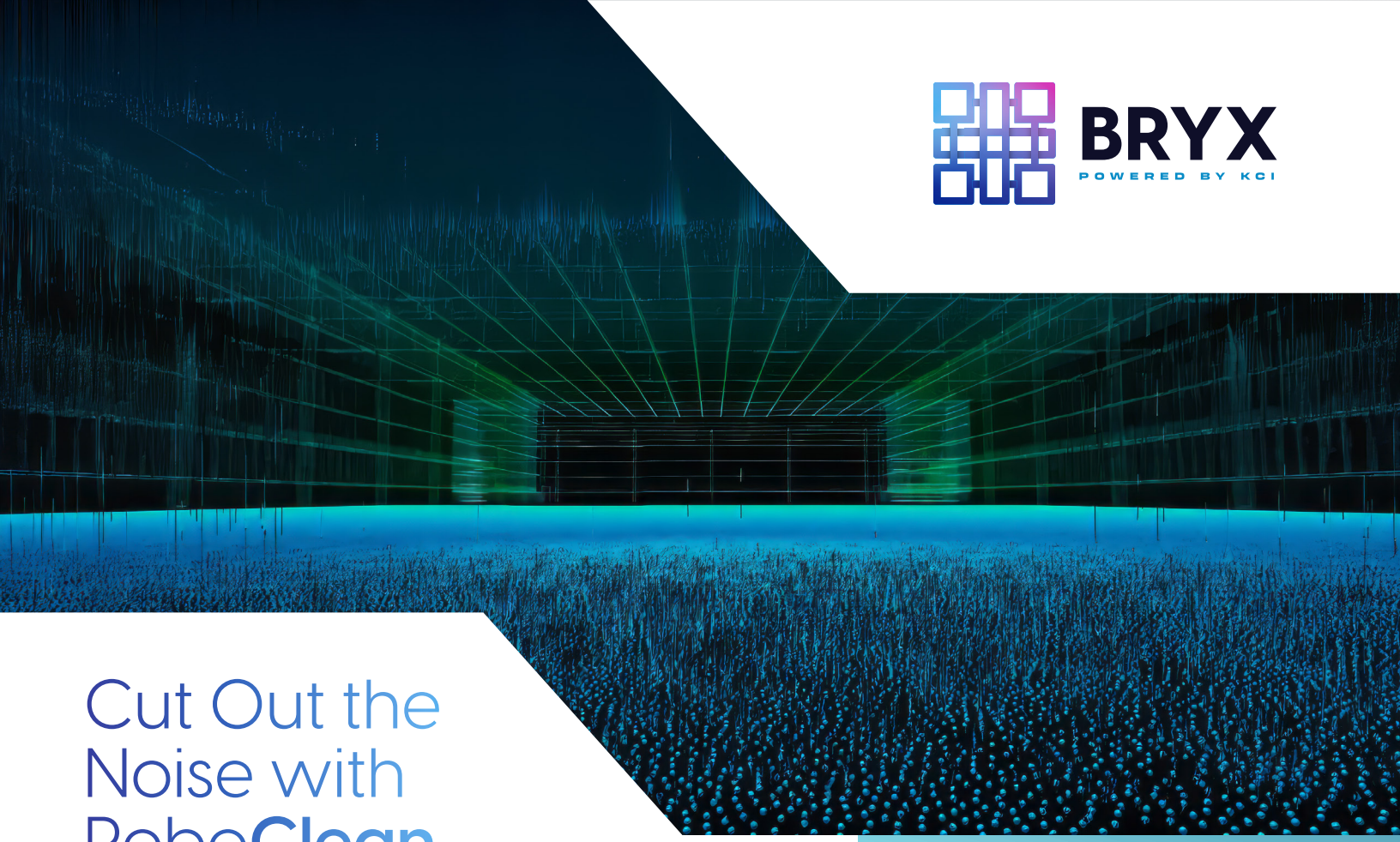

Cut Out the Noise with RoboClean

3D LiDAR scanning generates a wealth of data, rapidly producing point cloud information. However, scanned point cloud data requires preparation for further processing, which demands significant time and specialized expertise to ensure it correctly reflects the area or objects it represents. Although it is one of the most crucial preprocessing steps, cleaning point cloud data is also one of the most time-consuming. Without this critical step, users risk compromising the accuracy of further data analysis.

Various factors can impact the integrity of LiDAR scan data. Noise caused by sensor issues, environmental influences like air movement, surface texture variations, scanner movement during data collection, or improper equipment calibration can obscure key details. Traditionally, cleaning extraneous data has been a labor and memory-intensive process that slows computer performance to a crawl.

The cloud-based RoboClean solution, available on the BRYX™ platform, simplifies and automates point cloud cleaning, providing a fast, efficient solution for processing 3D scan data.

For more information contact us at sales@gobryx.com

gobryx.com

RoboFlat™ and RoboClean: Working Together for Floor Flatness

RoboClean can work in tandem with **RoboFlat**, KCI's advanced solution for concrete floor flatness and levelness testing. **RoboFlat** users can easily access point clouds processed by **RoboClean** with a simple point-and-click, further streamlining their floor flatness testing workflow.

Eliminate Noise, Outliers, and Clutter

RoboClean automates point cloud cleaning by streamlining the process, reducing manual effort, saving time, and eliminating strain on hardware. Transforming point clouds into a precise representation of the scanned area establishes reliable data that delivers superior project results.

High Performance

RoboClean breaks down large point clouds automatically for simultaneous processing and fast, efficient results.

Maintain Local Computing Power

With cloud-based efficiency, RoboClean streamlines point cloud cleaning, minimizing CPU strain and freeing system processing power so the team can focus on other critical tasks.

Automated

Say goodbye to the hassle of manual data cleaning. Unlike leading point cloud solutions, RoboClean requires minimal user input beyond specifying the level of cleaning required.

Flexible Results

RoboClean generates E57 files by extracting all classified noise from the data. In addition, users can choose to output LAS files that include all points classified as either ground or non-ground (noise) for further processing.

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Clean Point Clouds: The Foundation for Better Outcome

Clean point cloud data powers clear decision-making across the AEC industry and in disciplines like geospatial mapping and civil engineering. Removing noise, outliers, and unwanted elements assures accurate measurements, undistorted 3D models, and clear feature identification, transforming point clouds into a dependable resource for consistent models and clear insights.

Trustworthy digital representations enable visualization, design, and analysis. Teams can create topographic maps, generate digital elevation models, or transform data into CAD-ready files. In turn, they support the creation of well-defined 3D models for cities, construction sites, or undeveloped land. The output becomes the foundation for better visualization, informed planning, and flawless execution.

Scan the QR code to learn more about **RoboClean** and start your free trial today.