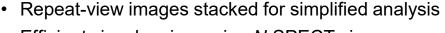


Tools for Automated Drone Inspections

N-SUITE Construction

- Desired views may be selected before construction begins, using BIM model
- Images collected using automated drone flights, on a schedule



- Efficient visual review using N-SPECT viewer
- Database organization of all images
- · Document all stages of construction
- Enables more frequent collection
- Automated data management
- Inherent cost & quality value chain benefits
- Pinpoint monitoring
- GIS-based

Repeated
Automated
Image Capture
Change, Movement
Detection & Progress
Documentation

Time-2

Time-1

Time-3

Time-4



Increase margins, improve cost & quality control for better top and bottom-line results

- View and automatically detect in mm-level
- Calibrate & receive change detection alerts;
 object movement, volume, tolerance breaches
- High clarity, 3D resolution for progress documentation and tracking

Mitigate and reduce liabilities, risks, insurance and legal costs

Improve delay, defect liability risks & contractor management





Imperial | Riverside | San Bernardino | San Diego

www.changeaerial.com



Tools for Automated Drone Inspections

N-SUITE Construction - Use Case Benefits & Outcomes

Industry leading accuracy and efficiency enables unique fine-scale autonomous aerial monitoring & detection programs optimized throughout the entire construction deliver new insights and high impact on margins with measurable ROI. We estimate an optimized customized UAV software solution can impact overall construction budget bottom line build by 2 to 8+ % through:

- Improved cost and quality controls increasing margins and better top and bottom-line results
 - Calibrate & receive change detection alerts to proactively manage project costs and quality
 - Workflow integrated autonomous change detection from omnidirectional individual image frames precisely captured and aligned over time delivering calibrated defined breaches/red flag alerts for timely survey grade inspection of
 - Changes in position, critical shifts/movement, volume measurements, sizes, with pixel and mm clarity across tight tolerances objects, and any desired features (e.g., rebar)
 - High clarity, 3D visualization for progress documentation and tracking
- Mitigated and reduced liabilities, risks, insurance and legal costs
 - o Improve delay, defect liability and contractor management



