



DJI Inspire 2 UAV

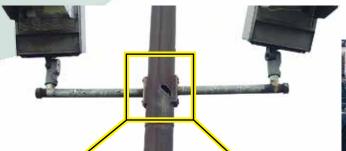
- Obstacle Avoidance Sensors
- 22 MPH Wind Speed Resistance
- FAA Registered and Insured

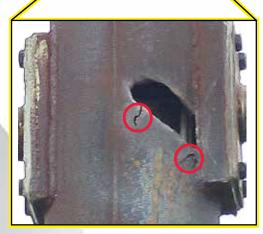
Controller and X5S Camera

- Master-Slave Controllers
- 4-Mile Range
- 4k 60FPS Video
- 20.8 MP Photos

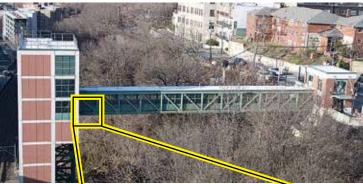








- 80 FT High Mast Light Pole
 - Photo Taken from 10 Feet
 - Detection of Small Cracks in Dark Weathering Steel

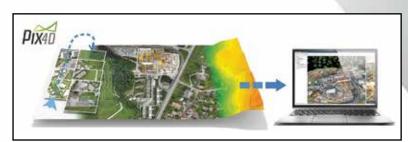




- Hudson-Bergen Light Rail Pedestrian Bridge
 - Underside and Bearings
 - 50 Feet Above Light Rail

KS Engineers, P.C. (KSE) is an award-winning, leading provider of engineering, independent construction inspection, and construction quality assurance services. Unmanned Aerial Vehicles (UAVs) or drones have been rapidly advancing in the engineering sector. For inspection purposes, KSE opts for a dual controller configuration with the pilot in command focuses on flight and a licensed inspector controls the camera. For construction management and survey, KSE uses Pix4DMapper pho-

togrammetry software. Pictured below is an orthoimage captured for Essex County Parking Garage construction. From the drone imagery, a digital surface model was created for accurate measurements and volumes. Our clients recognize the cost saving advantages, increased safety, and quick turnaround from using UAVs.



Orthoimage of Essex County Parking Garage Construction

Digital Surface Model Created with Pix4DMapper

,700 Cubic Yards

Accurate Calculation of Soil Stockpile Volume



▲ Inspection, William H. Brown Academy

Collapsed Roof from Fire Newark, NJ



- Roof Inspection
 - Deteriorated Roof
 - Structurally Unsafe on Foot



KS Engineers, P.C.

Engineers • Surveyors
Construction Managers

Corporate Headquarters

494 Broad St., 4th Fl., Newark, NJ 07102 Tel: 973.623.2999 Fax: 973.242.2955

info@kseng.com • www.kseng.com

New Jersey • New York • Pennsylvania • Connecticut