

Aerial Drone Survey

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Abstract: *The use of unmanned aerial vehicles (UAVs) is growing rapidly across many civil application domains including real-time monitoring, providing wireless coverage, remote sensing, search and rescue, delivery of goods, security and surveillance, precision agriculture, and civil infrastructure inspection. Smart UAVs are the next big revolution in UAV technology promising to provide new opportunities in different applications, especially in civil infrastructure in terms of reduced risks and lower cost. Civil infrastructure is expected to dominate the more than \$45 Billion market value of UAV usage. Unmanned aerial vehicles often are employed in civil engineering for a variety of purposes. Drones as instruments that improve communication between construction participants, improve site safety, use topographic measurements of huge regions, and produce buildings aerial surveying, bridges, roads, and highways utilising principles of aerial photogrammetry, saving project time and costs, and so on.*

Keywords: Real-Time Monitoring, Remote Sensing, Aerial Photogrammetry

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