

Detailed Sectors Solutions pages

Each sector specific page will illustrate a separate story, the intro to which starts from the landing page

Refer <https://www.palantir.com/palantir-metropolis/> for layout

General

Redefining businesses across sectors

Our high-resolution orthomosaic imaging and surface model generation combined with our GIS capabilities empower large industries and enable precision in function through intelligence allowing for accurate decision-making

- **Turn data into decisions**

Use aerial data to make better decisions and plan your resources better with our services that provide intuitive maps, orthomosaics, 3D point clouds and digital surface models and other outputs.

- **Access everything from anywhere**

Use the centralized platform to access and reports, monitor progress and customize solutions for your businesses from anywhere you are.

- **Seamless Integration**

Our solutions are not only compatible with current industry best practices, they also enable your business to disrupt the way the industry around you works.

Mining

Skylark Solutions offer a smarter way to make mining more safe, economical and accountable.

Overview:

Along important steps of the mining cycle, there is at least one of three main aspects; reach, productivity and security; that Skylark can enable.

Planning:.

1. Analyse More in Less time:

Skylark solutions bridge the gap between ground reality and drawing board by delivering three dimensional models and high definition orthomosaic outputs.

2. Use Insights that matter:

Using land usage classification, demarcation of areas, contour profiling and, as built overlays Skylark can show you how your plans will look on the ground without having to build it and incur costs for redesign and scope management.

Operations:

1. Organize from above

Haul roads that form the material veins of the mining ecosystem can be visualized and analysed from a bird's eye point of view down to the inch to identify what are the visible changes in haul road width, deviations and physical impediments.

2. Proactive Perspectives

Variations in slope, levels of grid points, stockpile and overburden volumes are referenced near real time to their actual locations with a visualization of their geometry. This allows for an added insight into stockpile management practices.

Infrastructure

Physical infrastructure needs to be planned and monitored so that we are better connected with a higher quality of living, Skylark seeks to fulfill this need.

Overview:

Skylark Drones can provide an added advantage to ensuring that human and resource capital highways are planned and managed from the unique perspective and scalability UAV solutions offer.

1. Roads and Highways:

Skylark Drones provides solutions that allow for a Detailed Project Report preparation of the highest order by offering the planners and consultants high resolution Digital Elevation Models, Digital Surface Models, Contour maps and Orthomosaics.

Other solutions offer the flexibility to visually and digitally document building, trees, railway crossings, water bodies and many more features that will influence the planning for the construction of the road.

2. Railways:

Skylark Solutions understands the specific requirements required to undertake railway planning, plan verification and project management.

The unique requirements for railway project management such as elevation data, human establishments, High Tension power crossing and, right of way feature marking are some of the things we can cover.

3. Cities and Industries:

Large scale topographical surveying of upcoming smart cities, Special Economic Zones and Industrial Zones using UAV based GIS mapping is an important part of the Digital India mission.

Aside from the traditional outputs from surveying, Skylark solutions can be repeatedly deployed over time to give an accurate assessment of progress of land development projects and large scale change in land usage patterns.

Utilities

It is important for disruptive technologies to aid in reducing the effective loss in energy and information that is produced and lost through utility systems and Skylark Drones provides the necessary solutions to do this.

1. Powerlines:

Right of Way centric planning showing the physical distance between a powerline and the nearest significant features is an essential requirement for any long range and high capacity power line.

Skylark offers exactly this through a videographic as well as digital topography perspective that allows for intuitive planning and maintenance.

2. Pipelines

Skylark Solutions allows you to overcome the problem of relying on aerial inspection that are expensive and ground based inspections that are restrictive and time consuming.

Geolocate and see vegetative encroachments, major physical damages and other relief features of importance that are critical to a pipeline's health.

3. Solar and Wind farms

With the enhanced reach and productivity of UAV based solutions Skylark ensures that inaccessibility and nature of topography do not hinder authentic insights such as detailed contouring and elevation details needed for getting accurate positioning of assets and ensuring minimal disturbance during construction.