Article Side
Airborne Lidar and Its Various Uses by Nishaidhijames

Article published on July 4th 2012 | Business

From the past few decades or so, there has been an increased demand for airborne lidars because of its technological aspects. It is now a well proven fact that an airborne Lidar helps in providing accurate information about elevation models for the purpose of transmission lines, measuring the ground shape below the transmission line, the positioning of poles and towers, sagging, if any, present in the wires, and the presence of any illegal incursions or growth of vegetation. The airborne survey of flood areas, dam sites and transmission line data can also be carried out with the help of an aerial Lidar which reveals rapid and accurate information.

In general, an airborne Lidar and an aerial Lidar are used for many forestry applications. An airborne Lidar makes use of a methodology through which detailed maps of the ground are produced by means of ranging systems and light detection. The use of lidars is much more accurate, speedy and even less expensive as compared to some other methods. By making use of an airborne Lidar, one can successfully produce a digital terrain model of the ground along with the height of vegetation present on it. In addition to this, an airborne Lidar when used in combination with an aerial Lidar reveals some other important features like structures, water courses and access roads. The data thus produced can be used for the purpose of assessing timber volume and stands, reviewing the stability of slopes, planning roads, run off and some other important data about a given area.

The best part about Lidar data is that it will provide you with a lot of engineering possibilities, majority of which can be done without leaving the comfort of your office. Once you have all the information, you can communicate with the construction crews through an integrated GPS system.

Article Source:
http://www.articleside.com/business-articles/airborne-lidar-and-its-various-uses.htm - Article Side

Nishaidhijames - About Author:
For more information on a aerial Lidar, check out the info available online; these will help you learn to find the http://www.lidarus.com/

Article Keywords:
Airborne Lidar, Aerial Lidar

You can find more free articles on Article Side. Sign up today and share your knowledge to the community! It is completely FREE!