

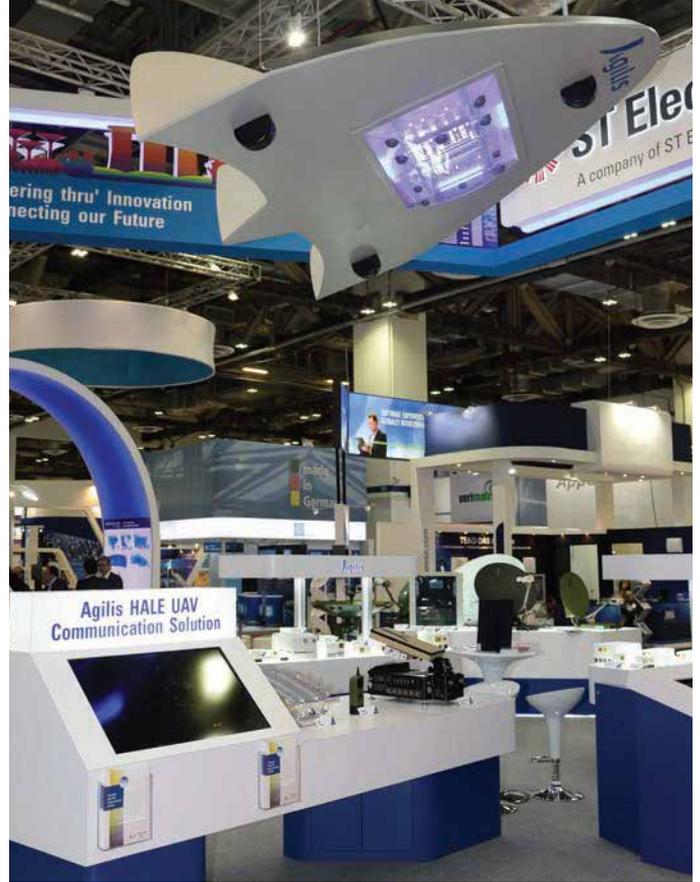
# UAVs: Coming of Age

Everyone is talking about UAVs (unmanned aerial vehicles), commonly called drones. UAVs are aircrafts without human pilots. A growing segment of the UAV market consists of HALE (high-altitude, long endurance) vehicles. These solar-powered, unmanned aircraft fly at altitudes higher than 60,000 feet and are able to remain airborne for extremely lengthy periods of time, allowing them to view large areas of land. They fly above commercial aircraft and the weather.

Over the past year, this market segment has definitely “taken off”. There are increased levels of interest from the primary aerospace manufacturing companies that are developing these next gen vehicles as well as by major players from the technology realm.

This motivation is to be applauded, as part of satellite’s overall mission is to play a crucial role in seamlessly connecting more and more people and more and more devices to the Internet across more and more locations around the globe. This interest and investment by leading tech firms have elevated the stature of this segment of the market.

While stature and headlines are great, the fact of the matter is that the true value of HALE vehicles will never get off the ground—so to speak—without ground infrastructure technology that can handle every demand that is required. This is where ST Electronics comes in.



The Agilis HALE UAV Communication Solution is uniquely designed to accommodate all requirements, built using the latest in scalable satellite technology. This fully integrated solution contains components that can also be differentiated based on requirements of the individual HALE vehicle and comprises:



A low-weight, low-power UAV Payload that is built to support high-altitude environment conditions, along with overall data rate capacity and the future capability of incorporating on-board-processing to enable the hub capabilities to be part of the payload.



A handheld terminal that boasts a very small form factor with low power consumption and weight, with the ability to support greater than 1 Mbps for ground-air communication.



A highly-efficient, compact satellite modem and mechanical steering antenna.

For more information on the Agilis HALE UAV Communication Solution, contact us at [marketing@agilissatcom.com](mailto:marketing@agilissatcom.com).