

Going Round the Island with Jireh

Are you aware that the largest inland yacht race is hosted in South Africa? The 'Round the Island Race' is hosted in February each year and on average 1,800 sailors and 3,300 visitors descend on the club grounds, situated on the outskirts of Deneyville village, to participate in the fun, festivity and challenge of the race. At the beginning of the year, Lake Deney Yacht Club asked Jireh technologies if they could do a downlink and live video streaming from some of the yachts as well as an aerobatic plane.

Jireh Technologies went down in the history book by providing the World's first Wireless downlink and video feed live off an aerobatics plane during their display at the 'Round the Island Race'. They also provided live video footage of the yachts on the water at the race.

For the downlink they used a MikroTik RB411, a Vivotek 8102 Video Server and a 2.4 GHz Omni Antenna. This was installed in the cockpits of two of the aerobatic airplanes.

One of the concerns they had was that the installation would affect the avionics and therefore make flying dangerous. Another one of the concerns they had was to keep all the equipment together so that it didn't roll around the cockpit when the planes started flying upside down and doing tricks.

The way they overcame this was to install everything in an Acconet enclosure which they placed in a backpack and strapped it to the pilot's legs. Yet another problem they faced was the distance between the link on the ground and the antenna in the plane. At some stages the plane was almost 5km away and they were concerned that the omni antenna wouldn't be able to handle it. Luckily the omni prevailed and the link held up. The result was a great success, Jireh provided a live video stream from the cockpits of the planes to a big screen on the grounds of the Lake Deney Yacht Club. The participants and the spectators enjoyed the show thoroughly and SAMSA (The South African Maritime Safety Authority) even decided to reinvest in the 2012 'Round the Island Race'.

<http://www.youtube.com/watch?v=rusEvlRxs3A&feature=fvsvr>

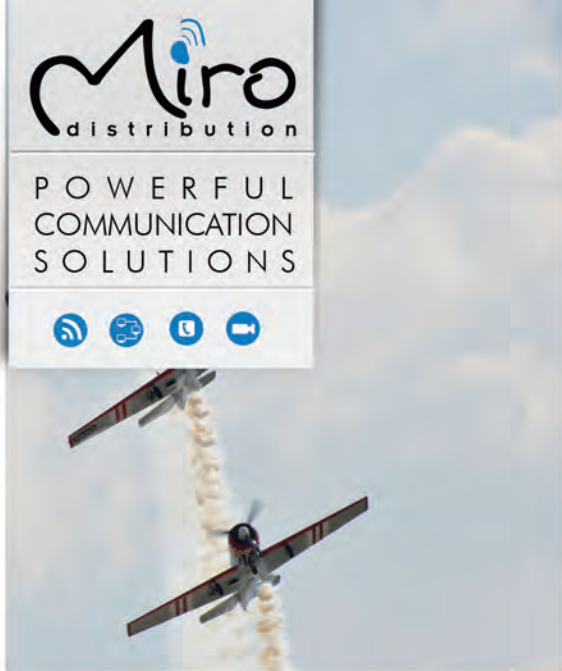
About Jireh Technologies

Jireh Technologies was founded in 2008 by like-minded individuals and companies, focusing on providing telecommunications technologies to under-served areas, and to previously disadvantaged individuals. They pride themselves by sharing the same passion for upliftment and skills transfer, uplifting communities and individuals. They currently provide telecommunication services and solutions to a wide range of businesses, both corporate and SME's as well as services to Gated communities, farms, and home users.





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About Vivotek

Vivotek has quickly grown into a prestigious leading manufacturer in the network video surveillance industry. Their philosophy consists of Integrity, Care and Innovation. It places high importance on maintaining a trustworthy and close relationship with customers, partners and employees, and delivering cutting edge products and solution to the marketplace. Their vision is to become a total solution provider in the IP surveillance industry. They offer a comprehensive product line-up, including network cameras, video servers, Network Video Recorders and central management software.



About MikroTik

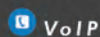
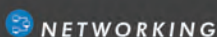
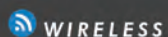
MikroTik was founded in 1995 to develop routers and wireless ISP systems. They now provide hardware and software for Internet connectivity in most of the countries around the world. Their experience in using industry standard PC hardware and complete routing systems allowed them to create the RouterOS software system that provides extensive stability, controls, and flexibility for all kinds of data interfaces and routing. In 2002, they decided to make their own hardware, and the RouterBOARD brand was born. They have resellers in most parts of the world, and customers in probably every country on the planet.



About Miro Distribution

Miro has the experience and proven track record of supplying powerful, flexible and scalable solutions to our client's communication requirements. Miro positioned itself as a responsible supplier to the growing IP Convergence industry with expert skills in Wireless networking, IP Video and Voice over IP. Miro focuses heavily on supplying only the best products, providing strong after-sales service and excellent technical support and training.

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