Newsletter – *Sep 2013*

ASB Systems Pvt. Ltd.

Its "Hy" time!

Hypack, the hydrographic survey package, debuted in 1987 at the Oceans 87 IEEE/OES and Marine Technology Society conference in Halifax, U.S.A.

HYPACK is one of the most widely used hydrographic surveying packages in the world, with more than 4.000 users, and a base of more than 300 licenses in India…the figures bearing testimony of its popularity in the local market.

Hypack provides the Surveyor with all the tools needed to design their survey, collect data, process it, reduce it, and generate final products. Whether collecting hydrographic survey data or environmental data, or just positioning the vessel in an engineering project, HYPACK provides the tools needed to complete the job.

With users spanning the range from a small vessel with just a GPS and single beam echosounder to large survey ships with networked sensors and systems, HYPACK gives you the power needed to complete your task in a system your surveyors can master.

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 Hypack – The Hydrographic Survey package

 Hypack Facts!

The Hypack 2013 User Conference

 Long Range Wi-Fi Internet and its Advantages

Customer satisfaction is our prime objective

Did you know…

… that Hypack 2013 is compatible with Windows 8, and has 64-bit modules which allow larger datasets to be handled faster

… that Hypack is also an effective Navigation software and can support all popular background chart formats like S-63 and S-57, and can export data compatible with GIS packages

… that "ENC Editor" is a standard part of Hypack which allows the user to edit ENC charts and perform real-time field verification of S-57 and S-63 charts.

… that a built-in Remote desktop program known as "Teamviewer" is available in Hypack to share the surveyor's real-time desktop screen with the support team for troubleshooting

… that Time tagging of data is accurate upto less than 8 milliseconds in Hypack

… that you can convert an entire project to another Geodetic basis. This will allow all your old Hypack projects to be converted to an updated Geodetic setting

… that you can create planned lines for a curved area of your survey in such a way that they will not overlap, thus saving you valuable survey time

… that there is a in-built Safety feature called SV Profile alarm,that triggers if the difference between the reading from the surface sound velocity sensor exceeds the first value in the sound velocity profile by a user-defined amount.

… that the Odometers display is a part of Hypack, useful to display the number of line-kms run per day, to know the day's productivity

… that a "Barge management system" where you can monitor information of the associated vessels and share target markers amongst them, is integrated in the standard Hypack package

… that Hypack can display the Echosounder Trace real-time during survey…so you don't have to abort the survey if your echo-rolls are used up. The trace is also stored and can be recalled during data processing.

… Hypack hosts a users' conference annually in India, which gives employers a low-cost opportunity to train employees, &allows Hypack to get feedback on what users thought of the product.

Hypack User Conference 2013 - Goa

The Hypack annual user conference was held at Bogmallo Beach resort, Goa. Mr.Patrick Sanders of Hypack presided over the three day event and attended to user queries.

The new Hypack 2013 version was the main highlight of the event. An overview on the package was discussed. Individual queries were attended to. New features added to the latest version were also explained to the attendees.

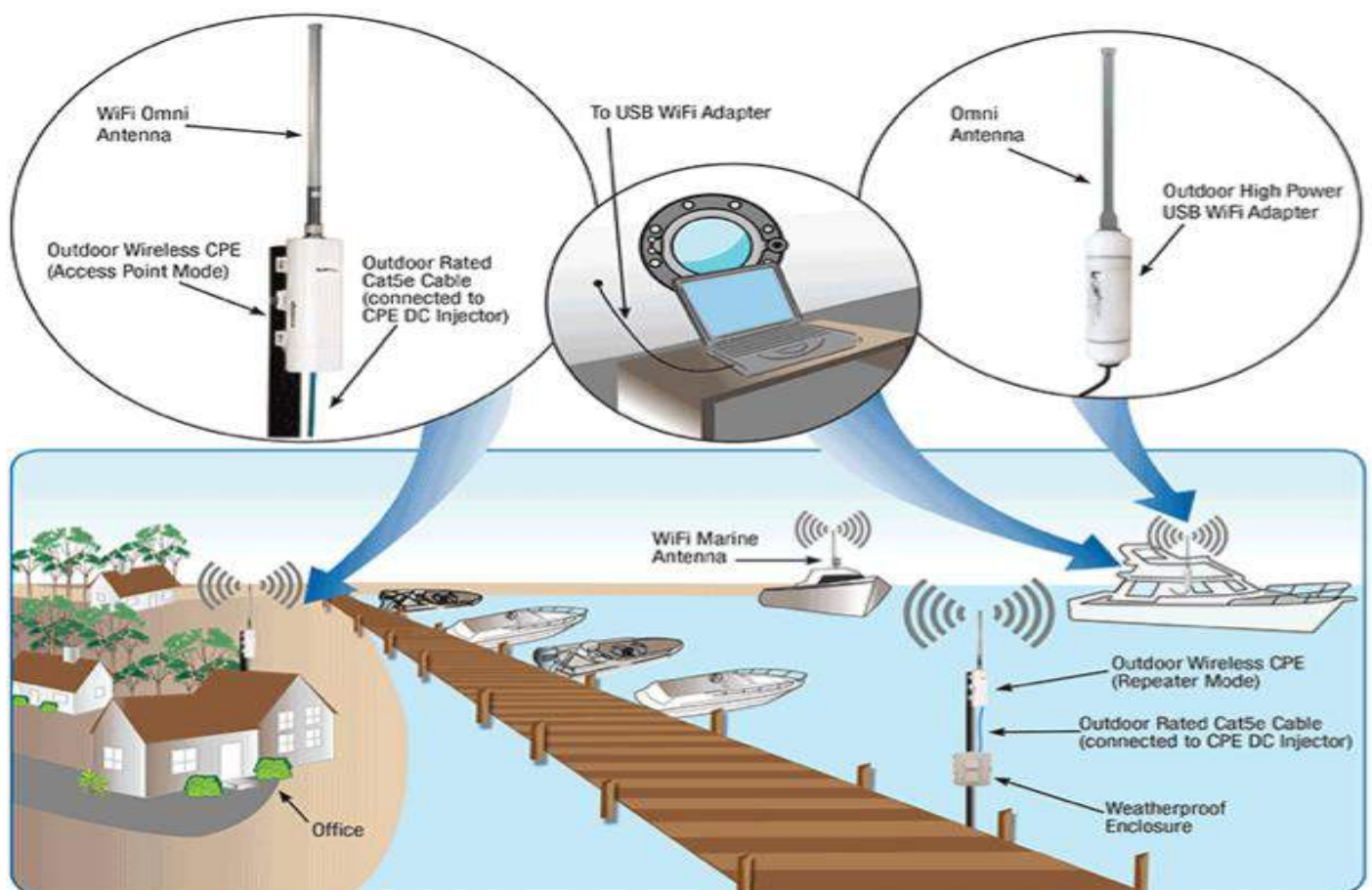Hypack users under the Annual Maintenance plan (AMP) were invited for the seminar.

Acknowledging a special request made by users, Hypack and ASB systems also hosted a separate two day session on Volume computations using Hypack. Users under the AMP plan got a first-hand experience on the topic. A detailed training session on the various methodologies followed by Hypack to compute Volumes, creation of 2D & 3D models, upto generating Final reports was covered.

About Hypack Annual Maintenance Plan (AMP) : The maintenance plan is an optional service provided by HYPACK® that is renewed on an annual basis. This service covers unlimited technical support via email or phone, the newest version of HYPACK® software, any updates provided throughout the year, and a discounted rate to attend the annual HYPACK® Conference.

Tech Tips: Long Range Wi-Fi

Long-range Wi-Fi is used for low-cost, point-to-point computer network connections, as an alternative to other fixed wireless, cellular networks or satellite Internet access.

Wi-Fi networks have a range that's limited by the transmission power, antenna type, the location they're used in, and the environment. A typical wireless router in an indoor point-to-multipoint arrangement using 802.11b or 802.11g and a stock antenna might have a range of 32 metres. Outdoor point-to-point arrangements, through use of directional antennas, can be extended with many kilometers between stations.

Advantages of having an Outdoor Long range Wi-Fi system:

1. Remote desktop sharing for troubleshooting in the field

2. Monitoring of field operations

3. Hi-speed Data and Voice communication

4. License free operation