



## *Inventory Management with bHive*

*Take the guess work out of managing your network assets*

With the ever growing demand for global bandwidth submarine networks are a constantly evolving landscape.

Successive network upgrades are providing dramatic capacity expansion but have also left many submarine cable operators with a plethora of network (NMS) and element management systems (EMS).

*“A man with one watch knows what time it is; a man with two watches is never quite sure” ~ Lee Segall*

As the saying goes, for many operators, without an accurate consolidated view, managing the network is rather like having two watches. Which one do you trust? And given the dire and costly implications of getting it wrong that’s a risk you shouldn’t need to take.

Now, with bHive, Boss Portal’s inventory solution, you need not worry again.

bHive is a ‘complete’ inventory management system that provides a single accurate as-built view of your network. It manages not only assets reported by the Network Management Systems (NMS) and Element Management Systems (EMS), but also those that are not reported, such as spare and in-transit equipment, as well as cross domain assets that are not managed by NMS on either side.

With bHive we take the guess work out of managing your network assets so you can focus on getting the very best performance out your network.

### *Features*

- A complete end-to-end view of your network
- Manage all of your assets, including cold spares and those in transit with one solution
- Physical and Logical network visualisation
- One click inventory case reduces operational overheads
- Auto synchronization ensures an ‘as built’ view of your network
- Inventory audit capability

**b**OSS  
PORTAL

With its state-of-the-art visualisation engine, bHive provides seamlessly integrated physical and logical views of the network. It allows navigation from the top level network down to a faulty port in a few clicks.

Physical equipment views provide network controllers in the NOC with the same view as field engineers on-site. Complemented with its impact analysis capabilities, troubleshooting has just become easier.

### *An Asset Management Scenario*

Consider a typical day to day asset allocation process.

When designing a circuit, the available capacity and equipment must be located and assigned to the circuit. This information is generally held in a records system, which in some cases may be multiple spreadsheets.

Once the necessary components are selected and assigned in the records system, their details are collated into a work order which contains all information related to the circuit.

The work order represents the 'planned' view of the circuit. It is distributed to all parties involved to allow them to complete their respective tasks within the provisioning process.

On completion of the circuit build, the records system must be updated again to reflect the capacity and equipment that is now being used. This may also include modifications, if alternatives to those in the work order were used. This step is essential in ensuring the records system accurately record the 'as built' state rather than 'as planned'.

In such a scenario the potential for errors and omissions is significant.

### *An Improved Process with bHive*

An alternative scenario, where bHive is employed allows one copy of the master information to be used by everyone.

It eliminates problems with coordination and working with obsolete information, typical of spreadsheets or other non-centralized systems.

Unlike the work order used by non-integrated systems which is generally static, with bHive, allocated components are linked to the Change Case.

It means the latest statuses of the components are always displayed whenever they are accessed, including alarm statuses if bAlarm is used.

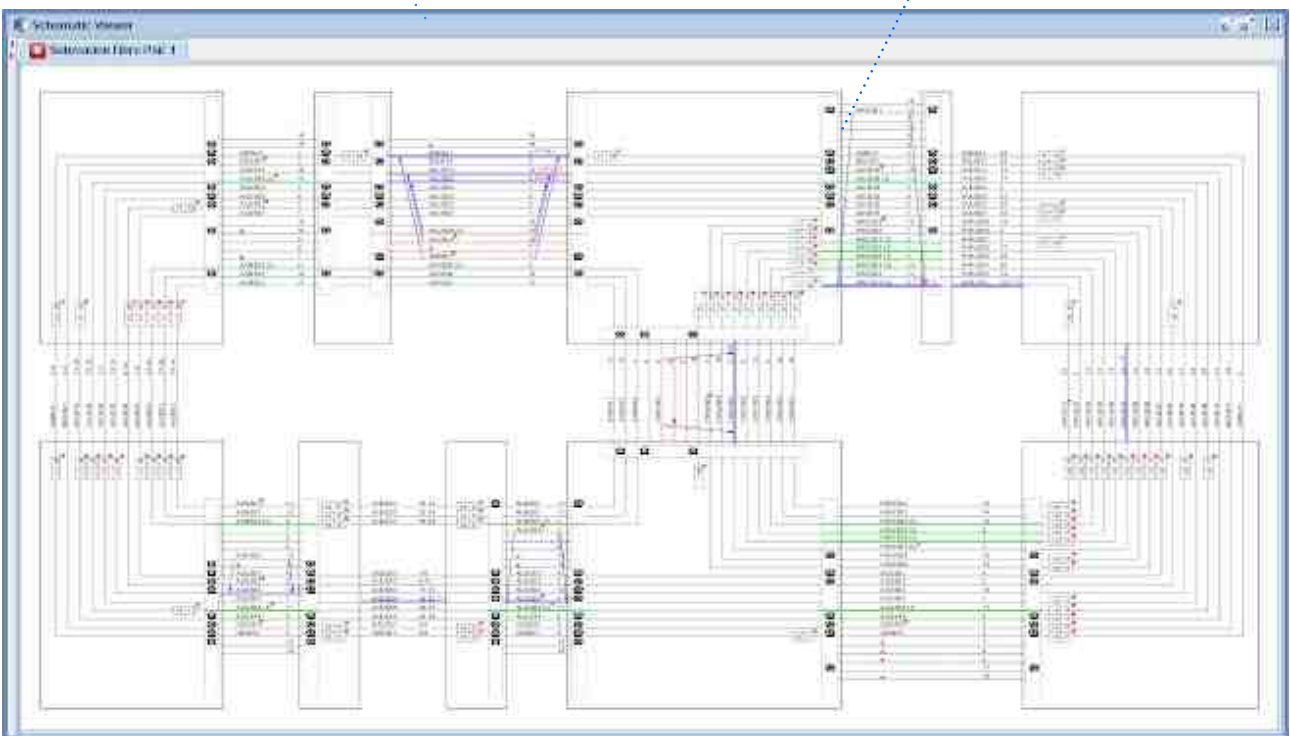
By integrating with the northbound interfaces of the NMS/EMS, bHive is updated automatically when circuits are provisioned on the network.

This way, it picks up any alterations to circuit designs and minimizes the need for user intervention, ensuring more accurate as-built records. This auto-update process works for decommissioning as well.



*bHive provides a schematic view where logical circuits overlay physical. With our intuitive interface you can drill down at the click of a button from the highest network level view right down to a rack, card and port level view. You can even see your card serial numbers all from the same solution.*

*Manual records including, patching, floor plans and other such relevant information can be integrated into the bHive schematic. Error prone paper trails can become a thing of the past*



*With bHive you can be rest assured that you always have in front of you an accurate 'as built' view of your entire network. With such capability you can get the best out of your premium assets, both on network and off*

*In combination with other Boss Portal capability it's now possible to launch an inventory 'case' directly from bHive. In a fault situation that equates to lower mean time to repair*

## *Our Unified Framework*

All components in our unified solution are designed from the ground up to function together as one. They are developed to exacting standards in the field in collaboration with a number of leading network operators in the world. The result is a solution that is not only highly relevant but also proven to stand to the rigors of large production networks.

With 'integration' programmed into its DNA, our unified solution can provide the benefits of system synergy without the expensive 'integration tax' typical of traditional solutions, reducing costs, time frame and risks.

## *Our Applications*

Each of the core functionalities required in an OSS is handled by a specialized application component. Each component can be deployed independently according to your specific needs. The benefits of synergy multiply as more components are deployed.

In addition to bHive our solution suite also provides :

Fault management with our revolutionary bAlarm system that works the same way as you would. Using its unique Context Views feature, bAlarm can help you navigate through the swarm of alarms with ease and arrive at a diagnosis swiftly. With such unique capability you can now focus on saving the day, rather than trying to figure out what happened after the event.

Process management with bCare, modeled after the best practice recommended by the Information Technology Infrastructure Library (ITIL®). It allows the full life cycle of an incident, from creation through to the coordination and dispatch of supporting tasks, to be all managed within one ubiquitous platform. It streamlines business processes and facilitates the assurance of service level agreements.

Analytics and performance management with bYond. An engine that is purpose- built to uncover the hidden gems buried within the vast amount of data collected from the OSS, ranging from alarms to performance and usage records. It identifies trends as well as hot spots life cycle for growth and where troubles are likely to develop. These insights translate directly into competitive advantages.



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*Boss Portal is a telecommunications software specialist with a breakthrough solution framework that is fundamentally redefining the industry assumptions for B/OSS implementations. Our unified solution is the answer to the predicament of isolated point solutions. Its flexible architecture allows us to rapidly adapt to your evolving needs. We have been nicknamed by our customers the 'Panadol of OSS' for our ability to provide fast pain relief to their 'OSS headache'*

