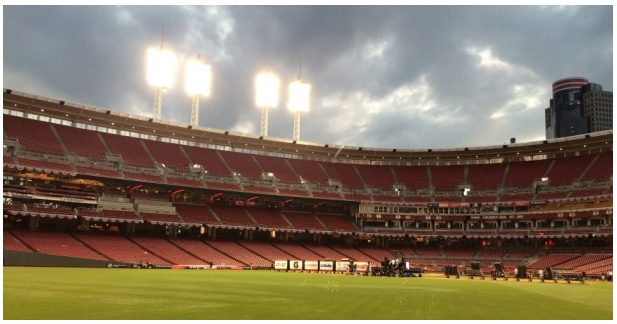
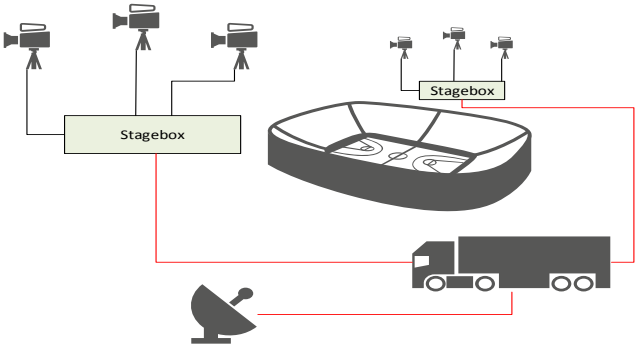
Sport<>Transport

Solutions from Barnfind Technologies AS Januar 2016

Barnfind Technologies

In just a few years time Barnfind products has been used in many of the worlds most popular sports and live events. High-end broadcasters all around the world appreciate the uniqe way of Barnfind to simplify and add value to their operations. The Barnfind portfolio offers products that fits perfect to any sport or live event production. Broadcasters using Barnfind today include among others Formula-1 races, Moto GP, US Baseball, UK premier league soccer, Golf, China Youth Games, US Open Tennis, Track and Field, World championship FIFA and many other motor sports events like Le Mans, Nürburgring etc.





Whats your application?

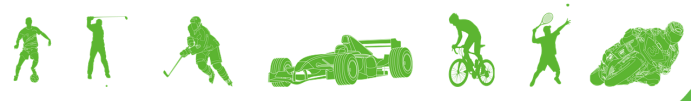
Let the Barnfind Team help you through the entire planning from design to installation. We work in close collaboration with our clients during the design phase where the requirements of the specific application is the foundation of the overall system design. For example, how many signals a specific application need to transport and convert between A and B and C, what type of signals, if the application is point to point or a mux'ed/demux'ed setup. What about a bridge to the IP world? Is the application mission critical perhaps redundancy should also be in place. The very nature of the Barnfind system is the flexibility to reconfigure to other setups meeting need for all kinds of different broadcast events. Barnfind Engineers will provide drawings for the specific setups. Downloadable Visio elements are available from the Barnfind website for you convenience.

AMV, New York, Lee Blanco:"...the compact Barnfind solution has proven more reliable than comparative devices previously employed by AMV that took up more rack space". *...read more inside*

Barnfind solutions:

- Any signal format
- Support any camera supplier
- Easy control
- Point to point, or multiplexed

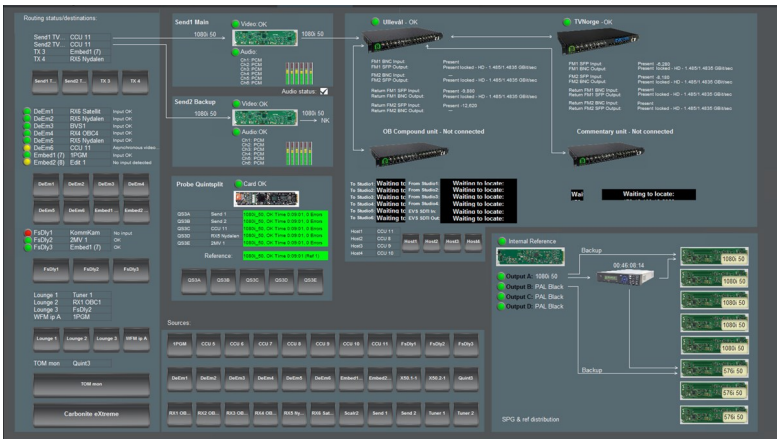
✓ BarnOne
✓ BarnMini
✓ BarnStudio

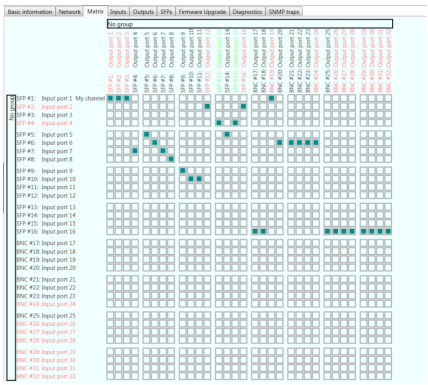


Unprecedented control options

During the years Barnfind has adopted to most known broadcast/AV and telecom control systems in the world. Whatever your setup is - Barnfind has the control solution for you. Take a close look at our free-of-charge BarnStudio control software that gains more and more popularity throughout the production environment. The BarnStudio software is a comprehensive tool for configuration as well as for daily operation. Barnfind has strong relationships to virtually any 3rd party control system on the market. For example Ross OpenGear/DashBoard, LSB VSM, BFE KSC, TSL Tallymann, BlackMagic Design, DNF Control, Dataminer/Skyline, RASCULAR and the industry-standard SW-P-08 routing control protocol, supported by most control panels and router manufactures. The Barnfind platform fits perfectly into your existing application and is extremely easy to implement. A typical application is to use the Barnfind as an edge router/interpreter before and after a facility main router.

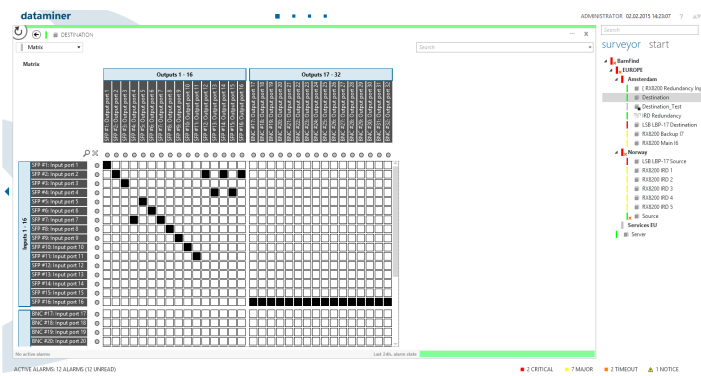
DashBoard





dataminer

BarnStudio Matrix



Control Panels

Mixed Control Platforms

Blackmagicdesign

BFE

TSL Products

AXON CEREBRUM

DNF CONTROLS

LSB

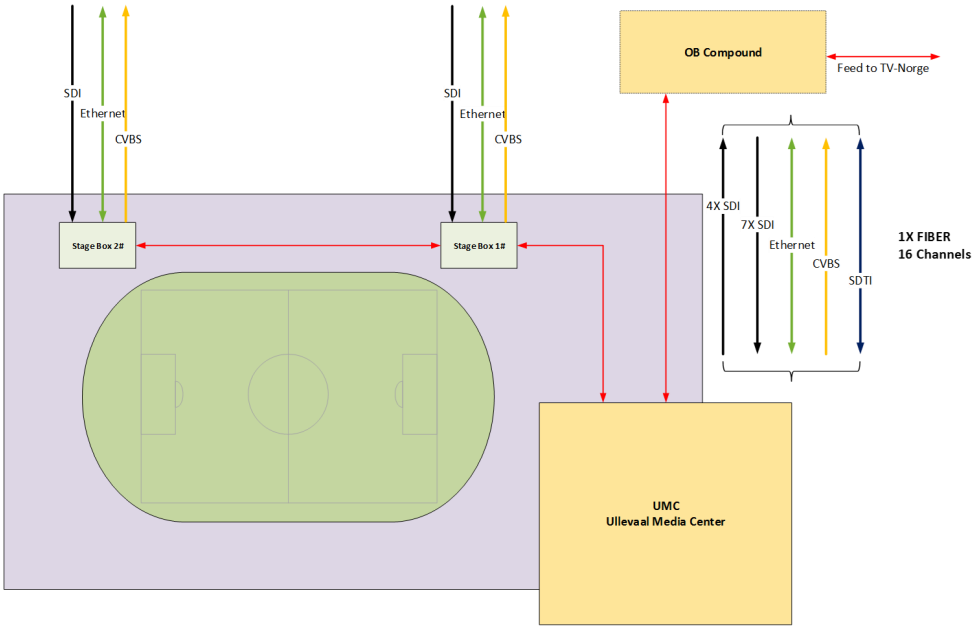
RASCULAR

Transport your signal

By using Barnfind, you can easily, at a low cost, transport point to point or multiplexed any common used signal format being used in broadcast.

Any signal format

One of the key features with the Barnfind platform is the unprecedented built-in flexibility to accept virtually any type of signal to switch, distribute and transport it through fiber link; Digital and analogue video and Audio, HDMI, DVI, Ethernet, KVM, AES, MADI, CAM/CCU (incl. video, audio, tally, intercom, RCP), any Telco signal, SMPTE-2022-6, CVBS, SDTI (EVS for all their data rates), 4K 60P, ASI, GPIO, Serial and more.



Any camera manufacturer

Another unique feature with Barnfind is the ability to switch camera to ccu solution. Barnfind can handle Ikegami, GVG, Sony, Panasonic, Hitachi and other camera manufacturers. 18 bi-directional CAM<->CCU over one(!) single fiber. The extremely low latency and jitter specifications in the Barnfind platform together with the CAM<->CCU density is met by no other competitor. This makes Barnfind a natural choice when it comes to camera and base station control.

Production and remote production

Many broadcasters using Barnfind today migrates their production workflow to include more and more remote productions. The extraordinary Barnfind solution enables to transport cameras, video, audio, ethernet and other signal formats uncompressed and with zero latency over single fiber. A solution that really opens up possibilities to limit the use of external and expensive OB-units for different kinds of out-of-house productions. The result significantly reduces the OPEX and CAPEX costs for any type of production.

Why Barnfind

«At AMV, we were early adopters of fiber transport well before it became the industry standard. With many other production companies just beginning to embrace fiber in a big way, it was time for us to do a major overhaul to simplify operations and make setup and teardown faster and easier," said Lee Blanco, director of engineering, All Mobile Video.

"BarnOne has provided the ideal solution because it offers tremendous 32 x 32 firepower in a small footprint — always critical in a space-restricted truck. And the BarnStudio software provides outstanding reporting capabilities so that we can always be aware of the signal flow going through the box." AMV uses the BarnOne systems to route and transport a variety of input and output signals including 3G/1.5G HD-SDI links connecting cameras and CCUs, Ethernet, and ASI. BarnOne's built-in 32 x 32 crosspoint matrix is able to route, switch, and duplicate any optical or coaxial input to any output. Another important feature is BarnOne's ability to provide multiplexing if an AMV client specifies it, or to operate in point-to-point, nonmuxing mode as required. In addition to providing its own line of small form-factor pluggable (SFP) modules, Barnfind also supports other manufacturers' MSA -compliant SFPs — enabling AMV to cost-effectively perform a range of media conversions over fiber.

"BarnOne's ability to work and play well with third-party solutions is a huge plus and a very important capability in today's mixed production environments. Plus, the system gives us the flexibility to route and repeat signals, send them out point to point, or mux them inside or outside of the frame," Blanco added. "BarnOne is a huge time-saver since it has replaced individual components and messy fiber arrangements. We can keep things neat and easy to manage, and our confidence factor has gone up because the connections operate as expected.

«New York's 9/11 Memorial Museum, St. Patrick's Cathedral, and Philadelphia's Citizens Bank Park; the Miss Universe Pageant; and the U.S. Open, is only some places where Barnfind was in operation»
Lee Blanco, All Mobile video (AMV), New York

Constantly new developments

Our customers can invest in the Barnfind platform with confidence that the system will be continously developed. The business beeing in transition from traditional baseband to IP infrastructure, the Barnfind platform is the ideally investment for anyone using baseband today, but looking for an upgrade path towards IP tomorrow.

Contact:

Contact a local Barnfind partner for more information about Barnfind products.

Visit our web page for application examples and downloads

www.barnfind.no

CEO
Wiggo Evensen
mail: wiggo@barnfind.no

CTO
Arild Skjeggerud
mail: arild@barnfind.no

Barnfind Technologies