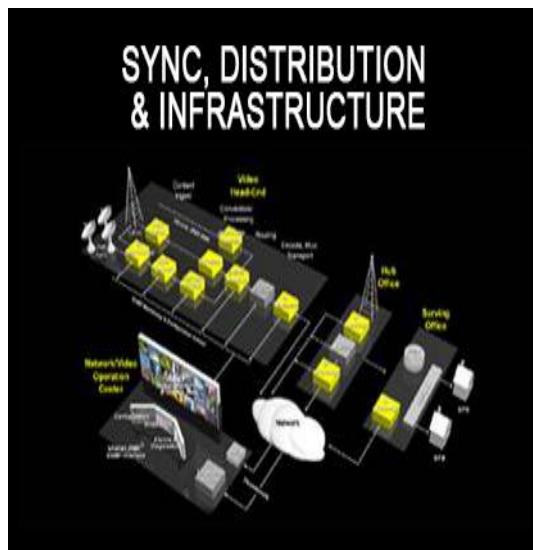
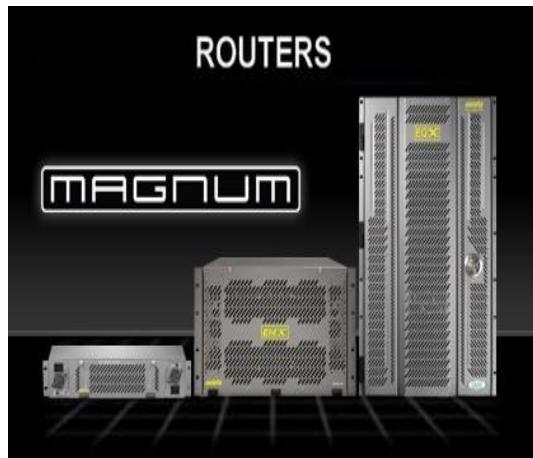




File Based Solutions

THE COMPLETE SOLUTIONS PROVIDER





MAGNUM



File-based Solutions

- Ingest clients
- Storage
- Playout clients
- Clip Server
- IT Based Playout
- Media Asset Management
- Workflow Tools

Infrastructure

- Modular
- Conversion
- Routing
- Master Clock & Timing
- Fiber Optics
- Branding

Multiviewers & Visualization Solutions

- Production Control Monitoring
- Master Control Monitoring
- Video Wall Processors
- Transmission Center Monitoring

Compression & Media Transport Solutions

- Distribution Headends
- Contribution Networks
- MP2, H.264, J2K CODECS
- Point-to-Point Systems
- Sonet/MPLS Solutions
- Managed/Unmanaged Networks

BURLINGTON CAMPUS –HEADQUARTERS



evertz

mediator 4



Programme Library ▾

Ingest / Upload

QC

Compliance

Promotions

Approvals

VOD

Playout

Reporting

Approval required for 17 items

PHDM74839

PHDM74839



Poison Arrow

Programme

00:03:27:08

PHDM74839

Guinness

Commercial

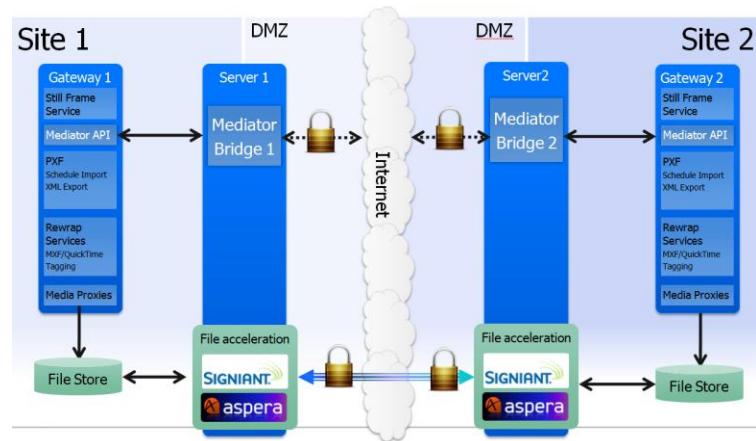
00:03:27:08

PHDM74839

**Search it, view it and do it
from every desktop**

Platform: Scalable and Flexible

- Modular subsystems:
 - mounted on blade servers
- Modular task packs for application software
- Distributed Architecture: ideal for load balancing, DR, Hub & Spoke, etc.



Workflow Engine

mediator

- Default
- System Administration
- Tape Library
- Recording
- Playtime
- Media Management
- Manual Delete
- Material Request
- Material Upload
- Transfer Analysis
- Transfer Dashboard
- Workflow View

Workflow View

Editing

<< Material >> Material Id

10:19:10
User pharos Logout

EVDM00014 Cloudy with a Chance of Meatballs

01:00:21:21

Material	Comments	History	Markers	Media	Scheduled	Placing
Mat Id	EVDM00014					
Title 1	Cloudy with a Chance of Meatballs					
Title 2	from starz reel					
Duration	00:08:45:24					
Type	Unknown					
Aspect ratio	16:9					
Transformation						
Version type						
State	QC (2/2) pharos					

>>

Mediator QC Task

mediator 4 

Quality Control

Back Passed Refer to supervisor Failed

PHDM41005 ExoMars 00:02:26:15 Programme 4:3

Comments

Start End Grade Track type Comment type

01:00:01:22 01:00:30:09 3 Video None

None Compliance Copyright QC Description Auto QC Add

Grade: 2 Video baton 24/08/2009 11:53:01

01:00:09:20 01:00:14:21

Auto QC

An average of 21.17% pixels were found to be Out-of-Gamut in a sequence, starting at 00:00:09:20 and duration of 5.1 seconds.
Restriction Specified: Percentage of pixels: 10.00, Maximum Burst should be less than or equal to 100.

Grade: 2 Video baton 24/08/2009 11:56:26

01:00:36:09 01:00:42:11

Auto QC

An average of 1.61% pixels were found to be out of Video Signal Levels range in a sequence, starting at 01:00:36:09 and duration of 6.02 seconds.
Restriction Specified: Percentage of pixels: 1.00, Maximum Burst should be less than or equal to 100.

Grade: 1 Video baton 24/08/2009 11:54:08

01:01:07:01 01:01:07:23

Auto QC

Combing Artefact is persistent for 920 milliseconds starting at 00:00:05:720. Restriction specified : Combing Artefact Duration should be less than or equal to 500.

User alexw 10:55:15 Logout

PHDM41005 ExoMars

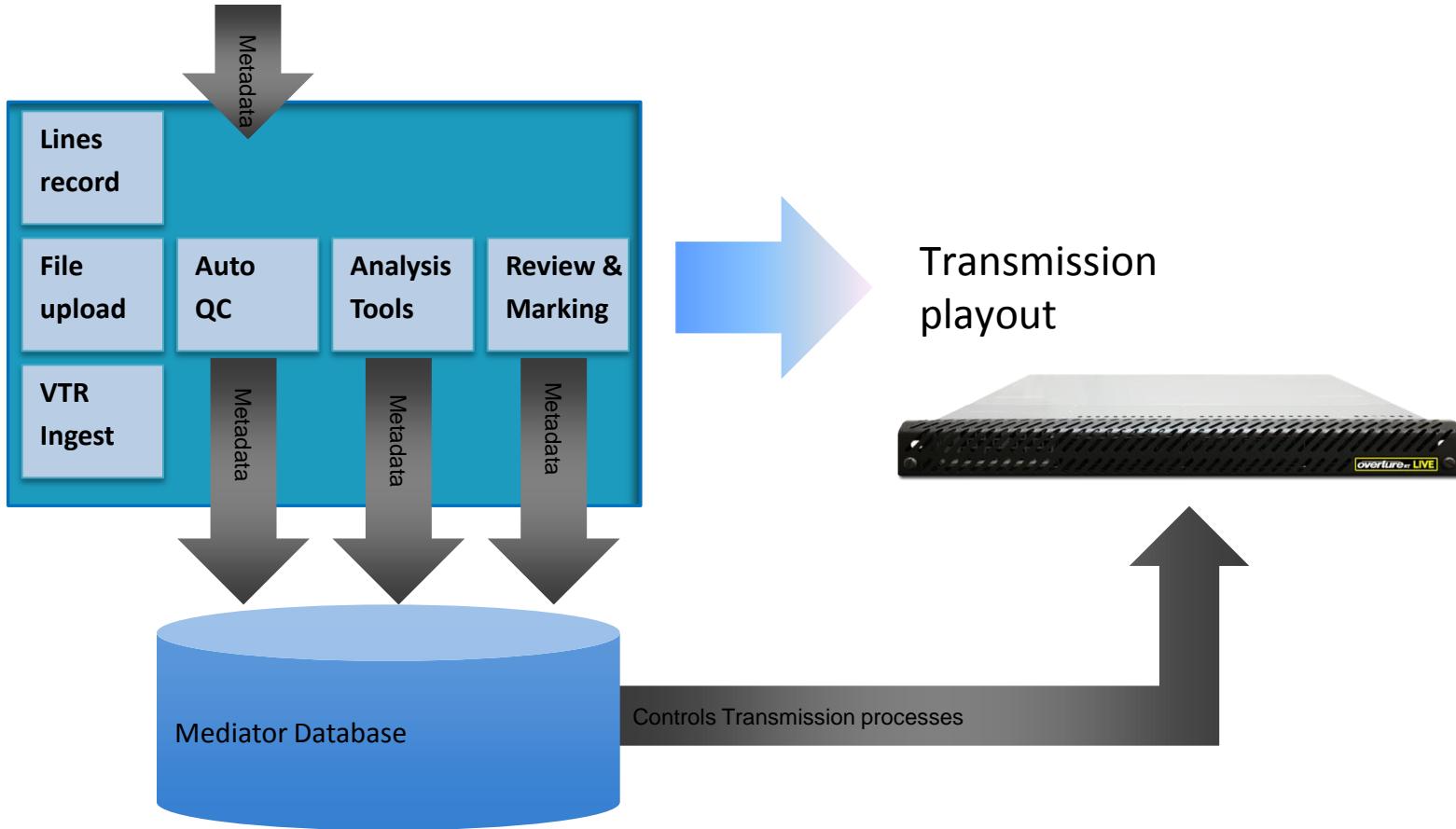
Gesa

01:00:30:09

Material Comments History Markers Media Scheduled Placing

Mat Id PHDM41005
Title 1 ExoMars
Title 2 European Space Agency
Duration 00:02:26:15
Type Programme
Aspect ratio 4:3
Transformation
State QC (2/2) alexw

Automate Linear Transmission



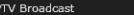
... by generating Metadata

... which is used later in the process

Playtime

mediator 4 

Pharos One

PTV Broadcast 

INGEST ANALYSIS PLAYTIME REPORTS WORKFLOW REPORTS MATERIAL MANAGEMENT EDIT SYSTEM ADMINISTRATION LIBRARIAN COMPLIANCE

PLAYTIME As-run Viewer Data Import Pharos History Pharos One Pharos Studio Playtime Dashboard Playtime Timeline Schedule Export

SUPERVISOR MATERIAL REPORTS

20:15:03 Remaining time: Next event: Multi View Take Hold Skip next Prime 8 events in channel (2 in error) Material Id Find > < > <

Start time Mode Variable Material Insert Edit current... Reset form Insert before selection Insert after selection

20:15:05:14 Manual Top 10 Vacation Destinations TX Source: Player A Duration: 00:00:24:00 SOM: 01:00:00:00 EOM: 01:00:24:00 EVBKG30001 Default

20:15:29:14 Variable Coming Up Duration: 00:00:20:00 TX Source: Player A Duration: 15:20 16:45 Sita Sings the Blues European Space Agency SOM: 00:00:00:00 EOM: 01:20:00 EVPRG10001 Default

20:15:49:14 Variable Rules of the Road TX Source: Player A Duration: 01:21:31:06 SOM: 00:00:00:00 EOM: 01:21:31:06 EVPRG10005 Default

21:37:20:20 Variable Tennis TX Source: Player A Duration: 00:04:56:04 SOM: 01:00:00:00 EOM: 01:04:56:04 EVPRG10005 Default

21:42:16:24 Variable eXtreme Motorcross TX Source: Player A Duration: 00:00:06:17 SOM: 01:00:00:00 EOM: 01:00:06:17 EVBKG30004 Default

21:42:23:16 Variable Roommates TX Source: Player A Duration: 00:00:06:17 SOM: 01:00:00:00 EOM: 01:00:06:17 EVBKG30003 Default

21:42:30:08 Variable Golf Tournament TX Source: Player A Duration: 00:00:06:17 SOM: 01:00:00:00 EOM: 01:00:06:17 EVBKG30003 Default

21:42:37:00 Variable Rising Sun TX Source: Player A Duration: 00:00:06:17 SOM: 01:00:00:00 EOM: 01:00:06:17 EVBKG30004 Default

00:00:00:00 Coming up next comingup TX-CAPTION1, 15:20 TX-TIME1, Rules of the Road TX-CAPTION2, 16:45 TX-TIME2, Tennis

00:00:00:00 Rules of the Road EVPRG10001 Transfer Status Ready Tx Media Tx Source DVE ? Workflow state Ready (3/3) Audio Original Ready elaine Video Ready elaine Dolby 5.1 Original Ready elaine

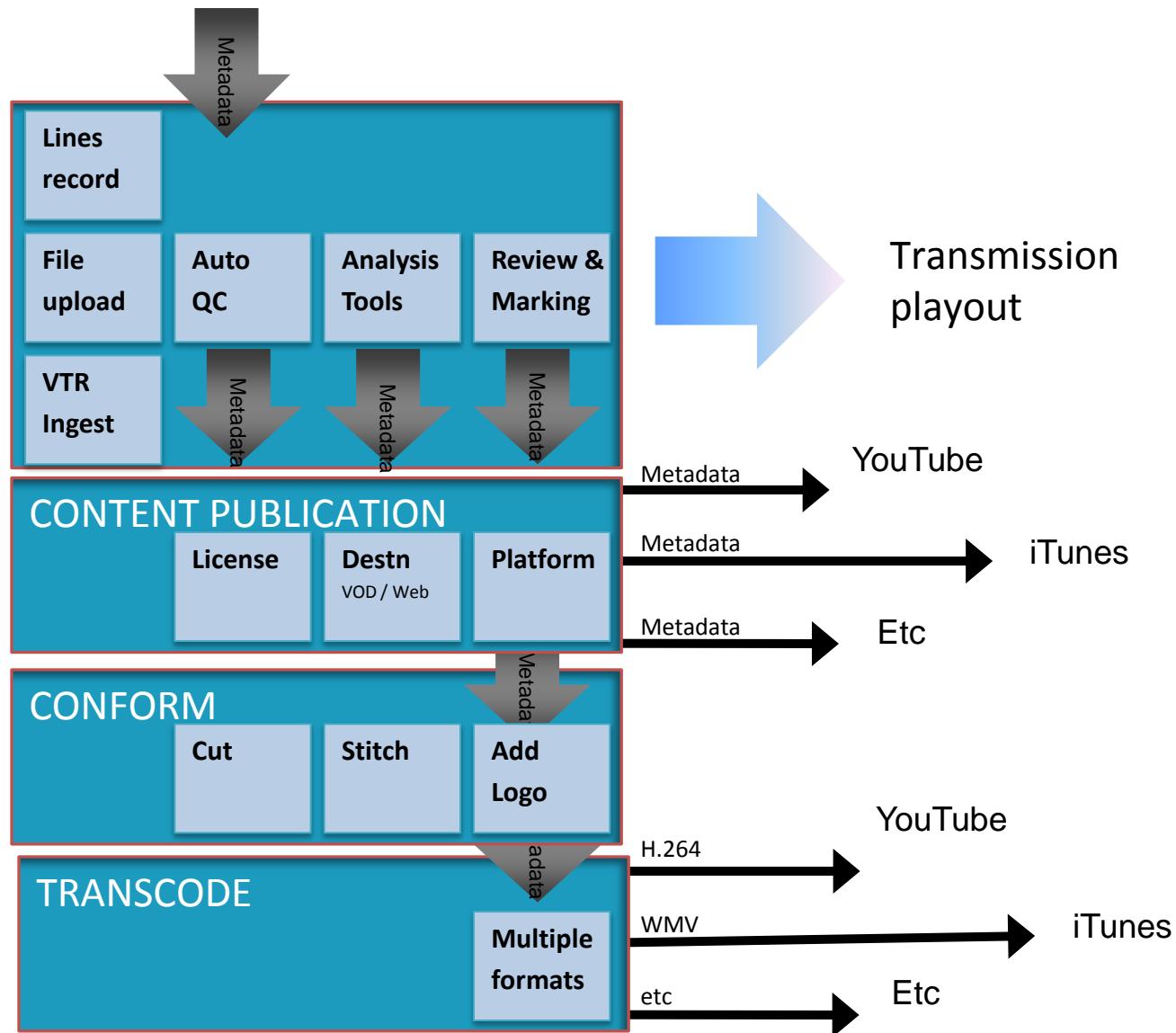
00:00:00:00 Tennis EVPRG10005 Transfer Status Ready Tx Media Tx Source DVE ? Workflow state Ready (2/2) Video Ready mediator Audio English Ready mediator

browsable Material Material Id < > < >

Automate Multi-Platform Delivery

Workflows to prepare metadata which defines delivery:

- Authority
- What
- Where
- How long



Delivery to multiple platforms



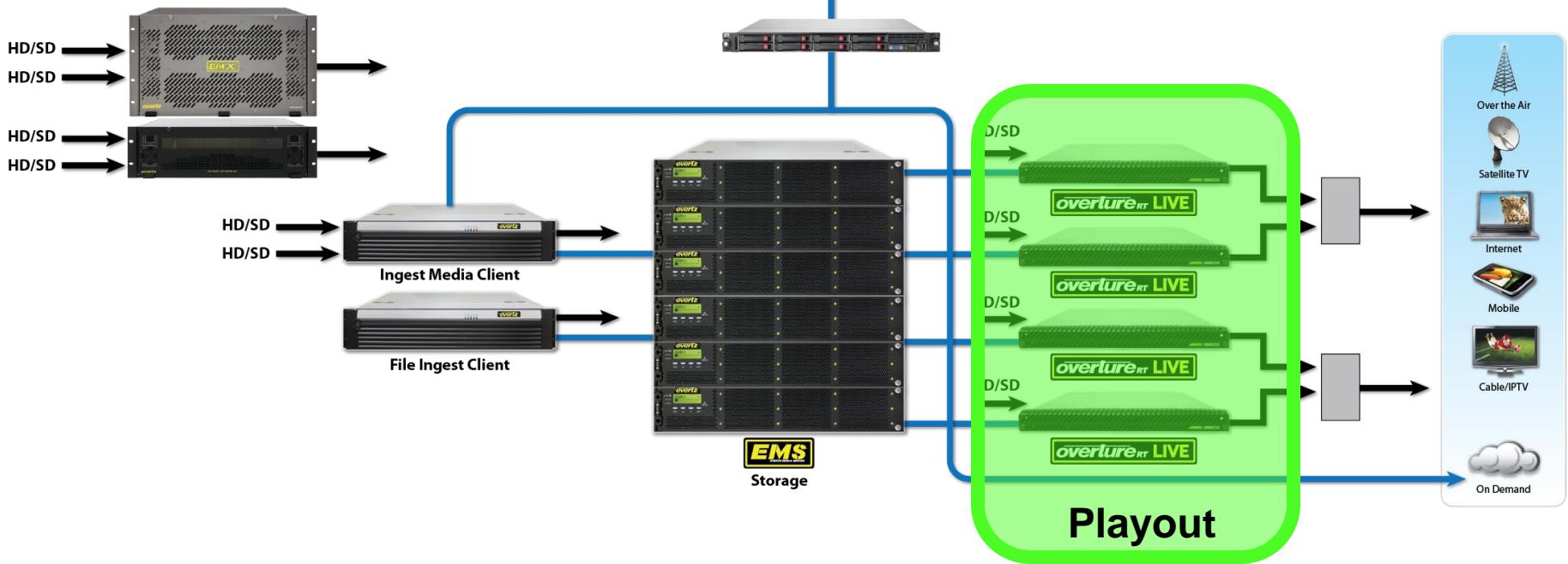
Integration & Scalability: In an IT Based Playout Solution



Enterprise Overview

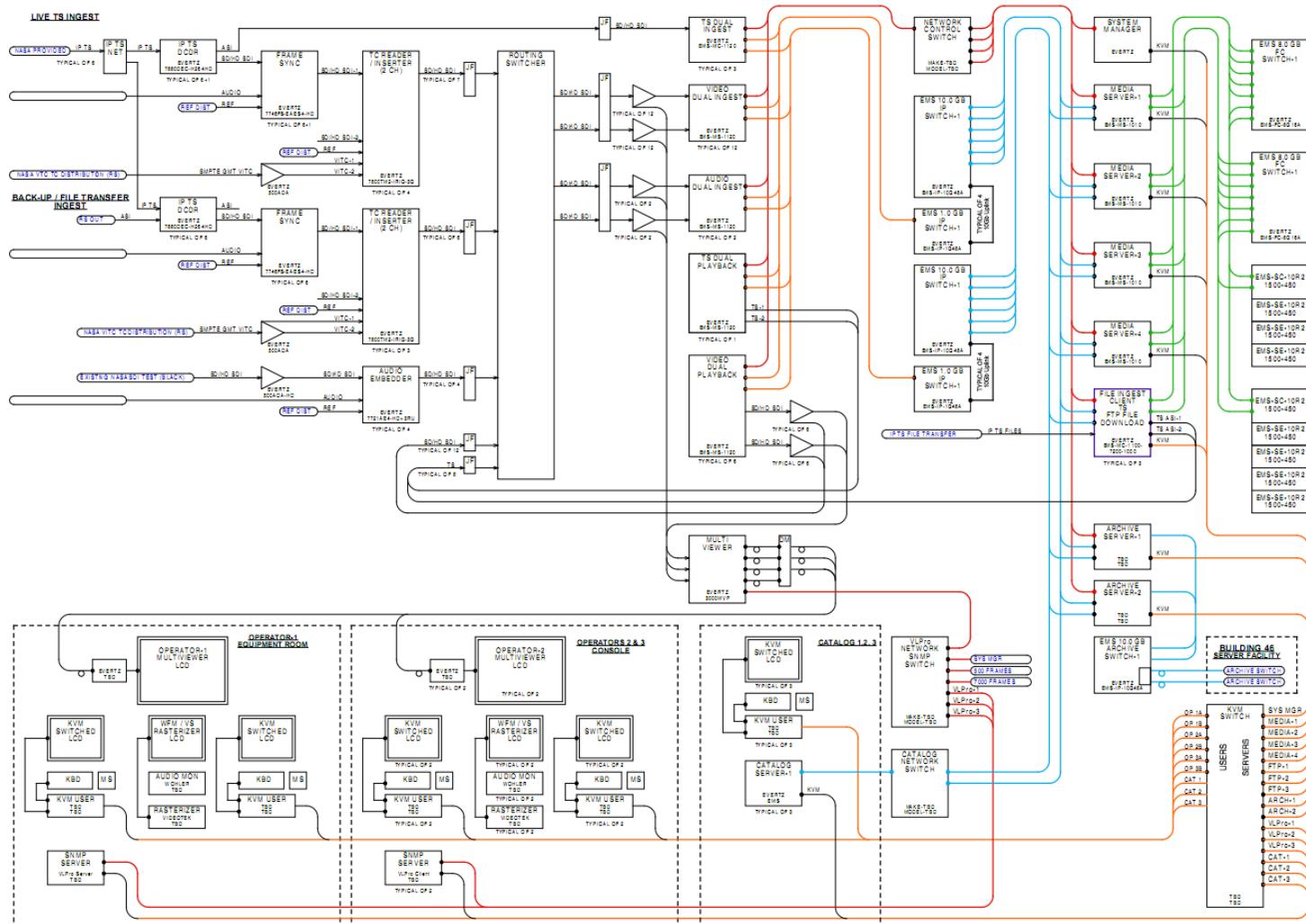


Media Management and Automation



evertz

...the Past



evertz

The Present



Integrated IT Based Solutions Including:

Server Ports

Master Control Switching

Advanced Branding and Graphics



8:00 PM
Out of Africa

9:00 PM
City Nights

Coming Up Next...

EV
17

The screen displays a blue-toned graphic with two smaller video frames. The top frame shows a sunset with a single acacia-like tree silhouetted against the orange and yellow sky. The bottom frame shows a city skyline at night, with illuminated skyscrapers and a large Ferris wheel reflected in water. The text "Coming Up Next..." is centered below the frames, followed by the channel identifier "EV 17".

NEWS AT 6

A news anchor in a light blue blazer is seated at a desk in a studio. Behind her is a large screen displaying "NEWS AT 6" and a sunset over a bridge. To her right is a smaller inset screen showing a highway at night with blurred lights. The main screen also displays "MON APRIL 16", "TRAFFIC REPORT", "NELSON CREEK REACHING BANKS", and "LOCAL NEWS".

EXTREME THUNDER STORM WATCH IN EFFECT...

BREAKING NEWS: ELECTION CALLED!

19°C 6:15 PM POLICE CRACK DOWN ON HIGHWAY SPEEDING THIS LONG WEEKEND

XYZ INC. 59.60 ▲ 0.28%

EV Local King Street West will be closed all day Saturday & Sunday until 2 pm for weekend festival, Mayor plans to ann

The screen is a news broadcast from "EV 17" at 6 PM. It features a female anchor, breaking news about an election, and a traffic report. The weather is 19°C with a 6:15 PM start. Stock information for XYZ Inc. is shown, along with a police crack down notice and a local update about a weekend festival closing King Street West.

TV
PG

A wide-angle shot of a large suspension bridge stretching across a body of water, with a city skyline visible in the background under a clear blue sky.

Rush Hour Traffic Report Coming Up Next

Aft 26° Eve 24° Nite 19° Morn 21°

FOOTBALL SCORES Whalers 22 Renegades 17

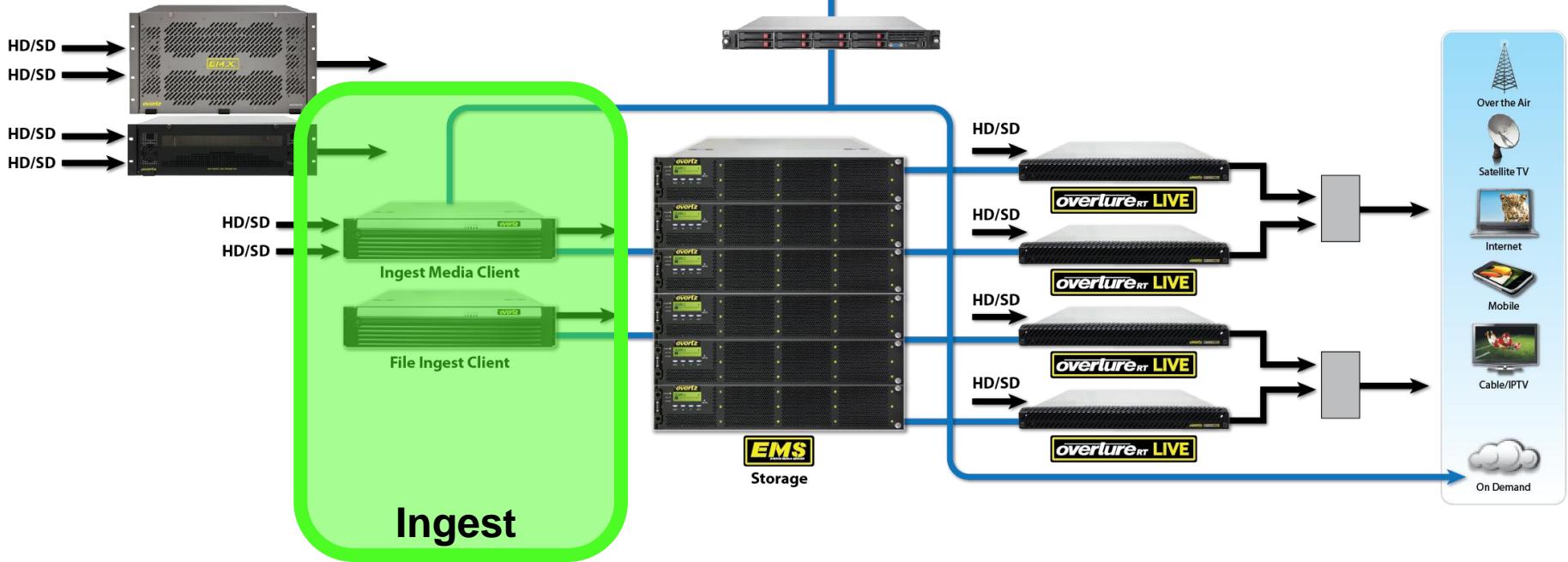
EV
17

The screen shows a "TV PG" rating and a "Rush Hour Traffic Report Coming Up Next" message. Below this are weather forecasts for the day. At the bottom, there's a "EV Local" update about a street closure for a festival, along with football scores for the Whalers and Renegades.

evertz

Integration & Scalability: Ingest Clients

Enterprise Overview



evertz

Ingest Clients



- **FLEXIBLE**
 - Software based encoding
- **SCALABLE**
 - Simple interface to scalable central storage
- **RESILIENT**
 - Linux implementation
 - Optional local storage with local raid
- **HIGHLY INTEGRATED**
 - Low latency confidence PB
 - Jog/Shuttle/Play Outputs per path
 - QC outputs per path
 - Automatic H.264 proxy and metadata generation
 - Optional quad path playout

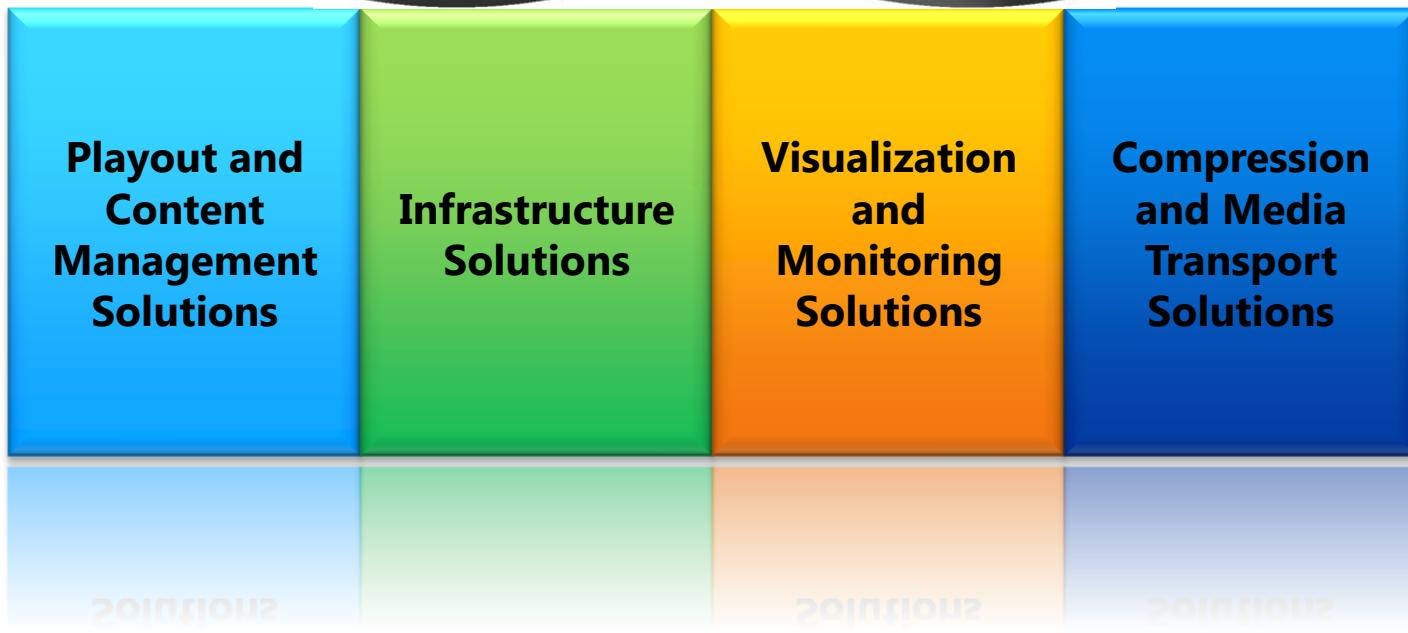
Integration & Scalability: Operations

Automation & MAM



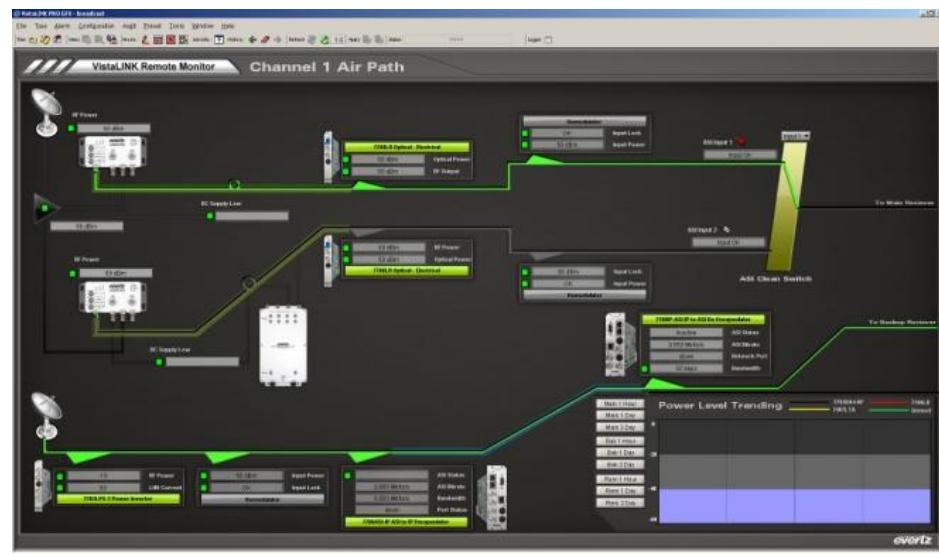
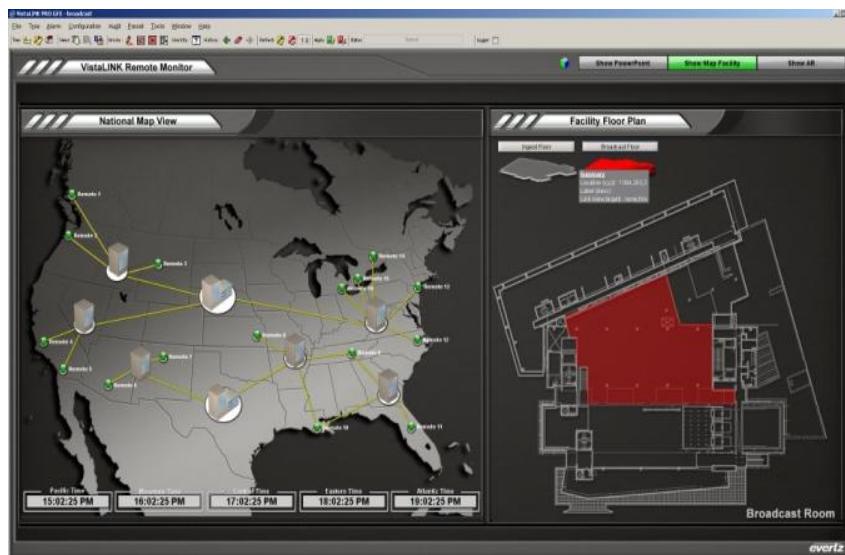
**SNMP
NMS**

**Operational
Interfaces**



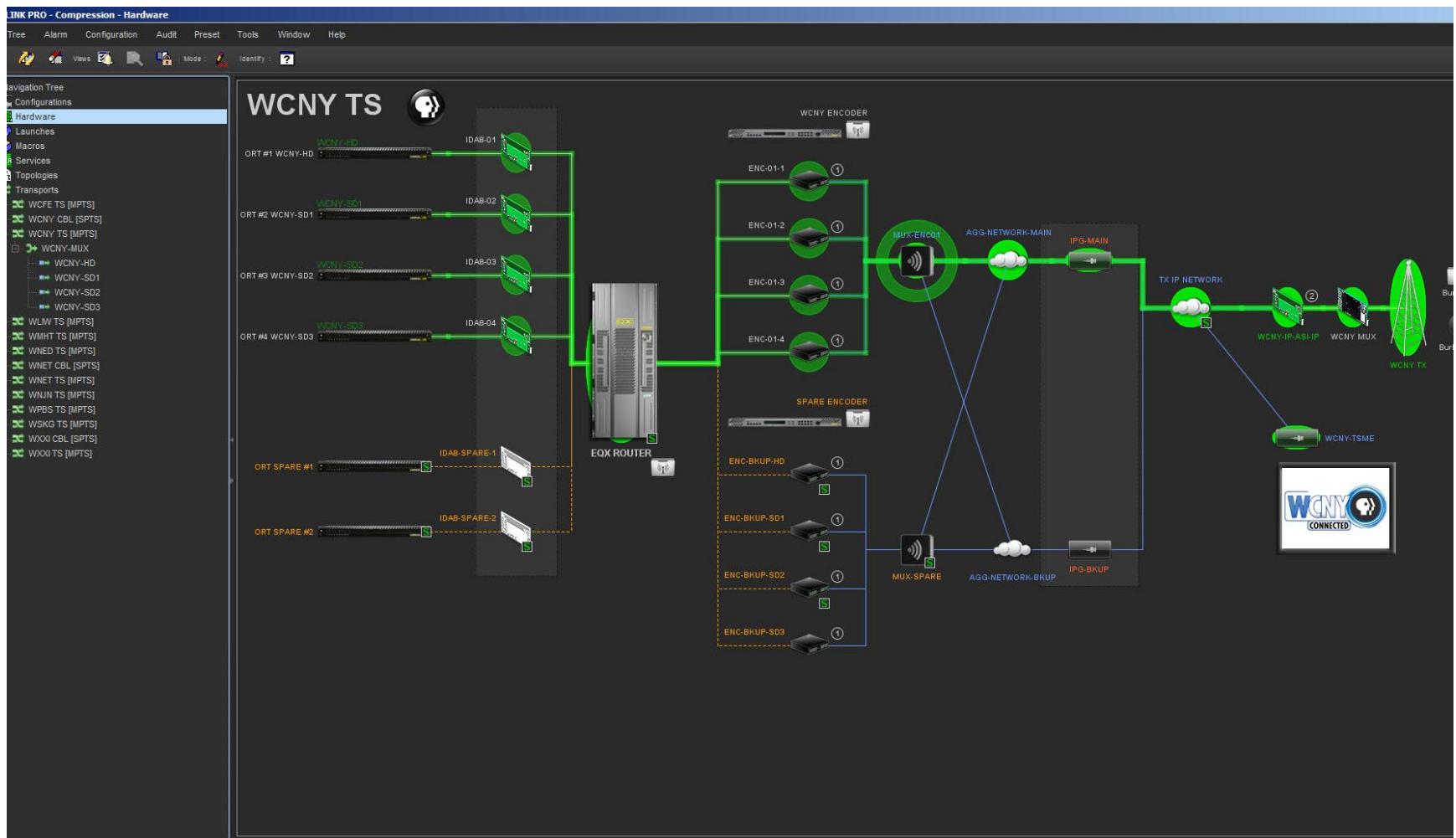
Network Management System

VistaLINK® PRO
SNMP MONITORING & CONTROL SOFTWARE

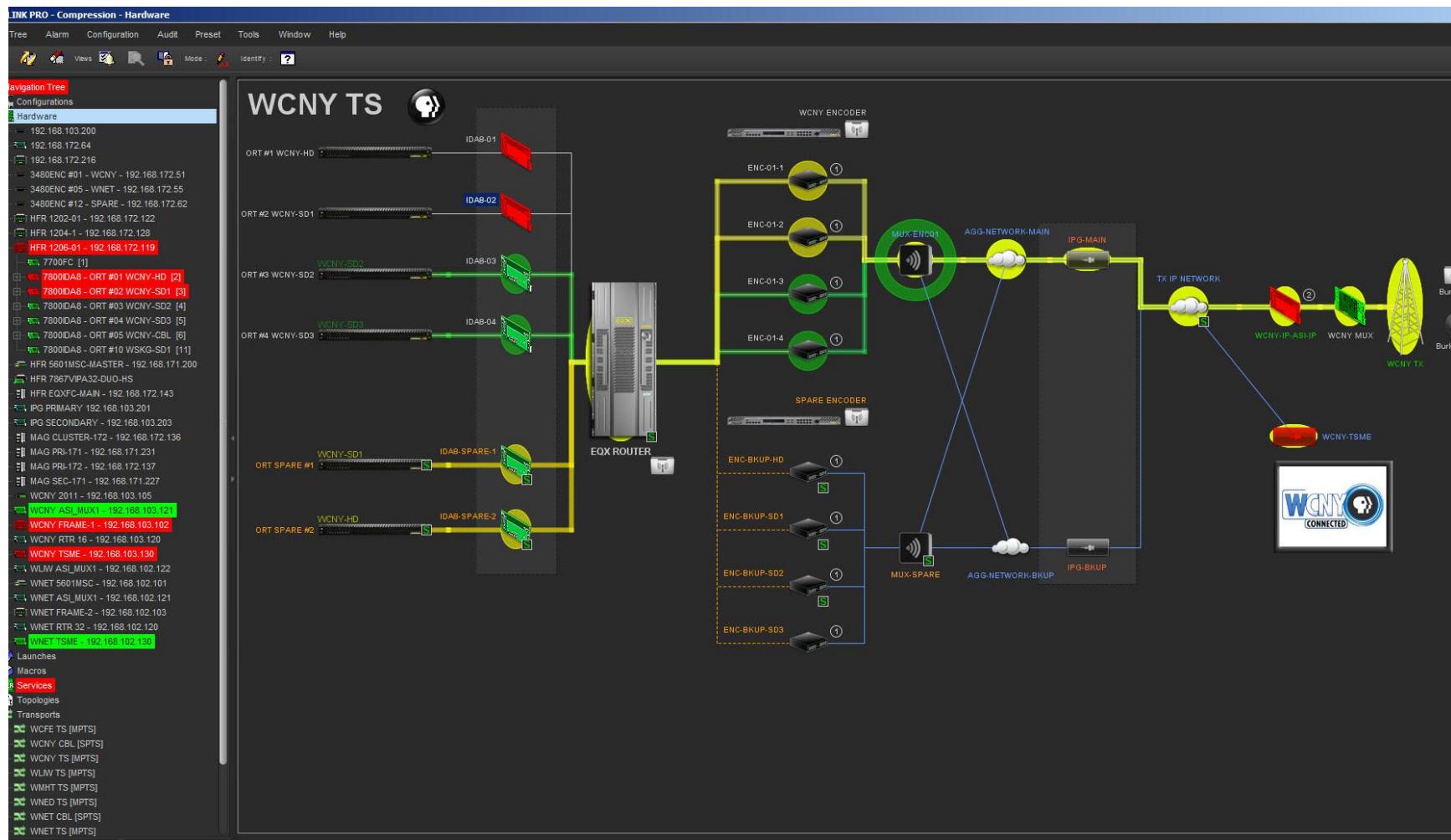


evertz

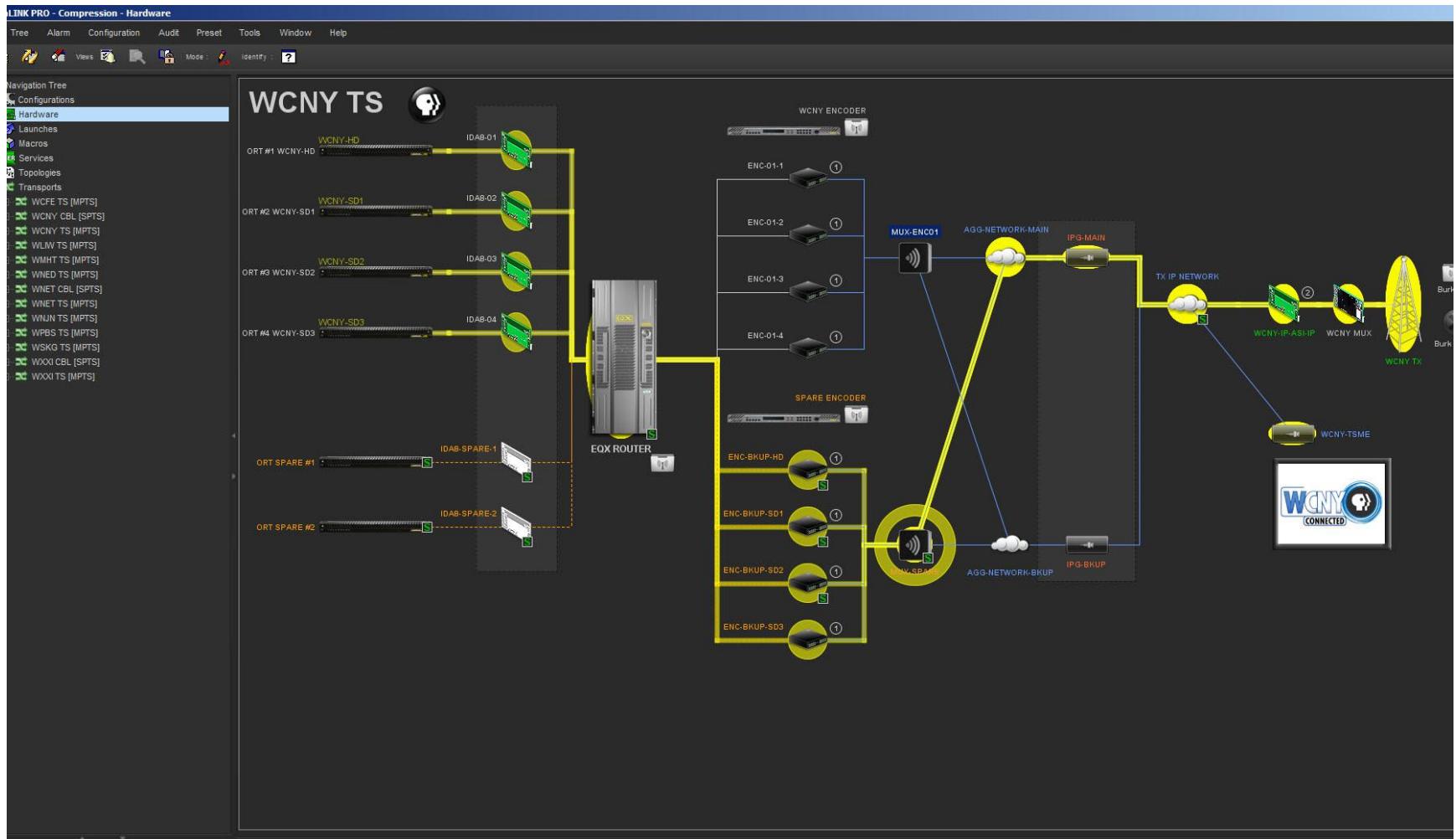
Build Service: automate reactions



Failover a TX SDI Path



Failover an Encode Path





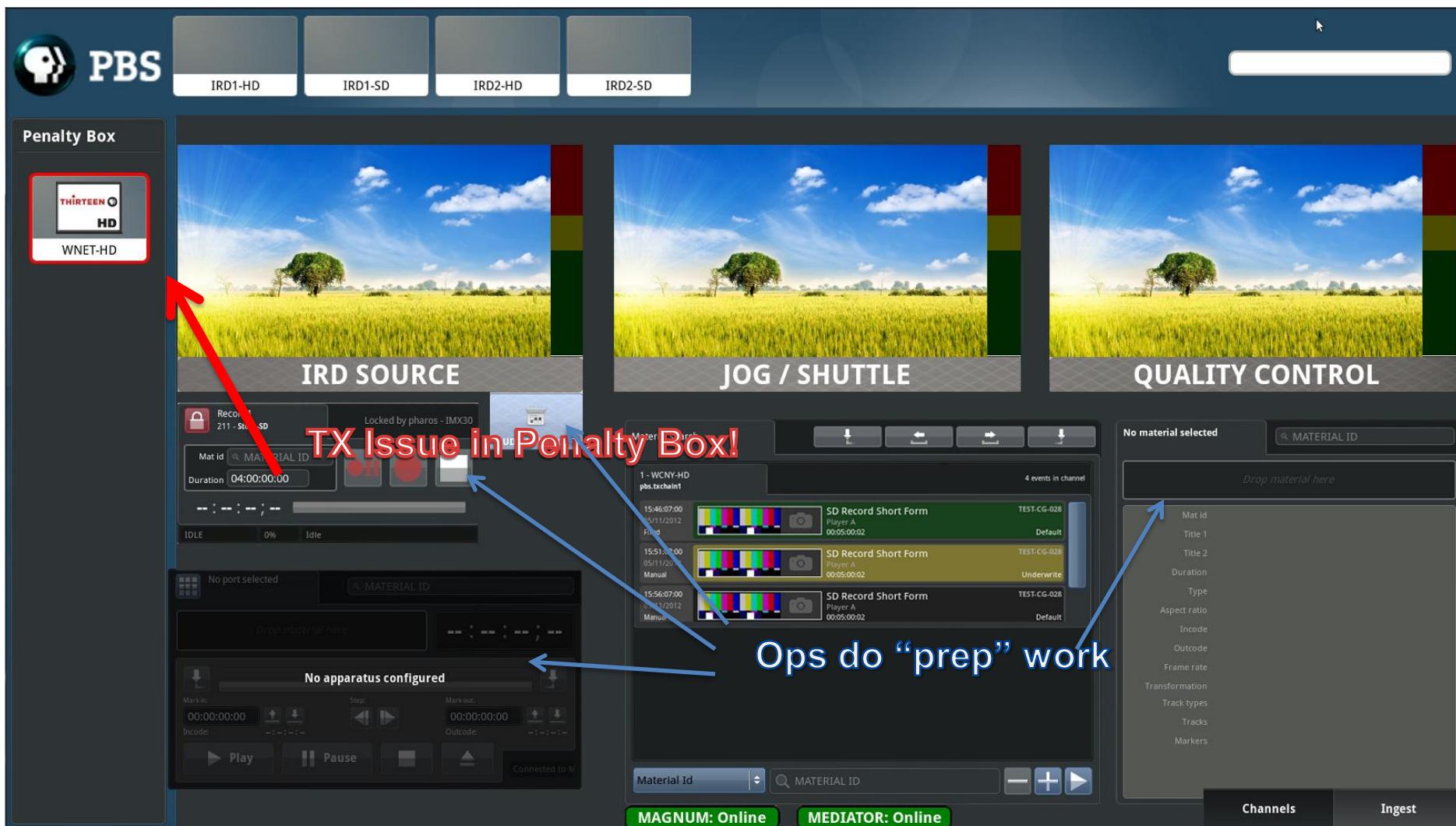
Visually Unified Experience





1. Customizable client interface
2. Touch screen and multi-gesture interaction
3. Multiple system control widgets
4. Third Party control interfacing

Different Way of Working...



Channel Selection

Monitor by Exception: Operator Position

The screenshot displays the Evertz Monitor by Exception software interface, specifically the Operator Position view. At the top, a navigation bar shows a PBS logo and a search bar. Below it, a row of channel icons represents the 'Penalty Box' for WNET-HD, labeled 'WCNY-HD', 'WCNY-SD1', 'WCNY-SD2', 'WCNY-SD3', 'WNET-HD', 'WNET-SD1', 'WNET-SD2', and 'WNET-SD3'. A blue arrow points from the text 'Channel Selection' to the WNET-HD icon.

A large central window titled 'WCNY-HD' displays a flowchart of signal paths. It starts with 'ORTLive Outputs' at the top, which branches into 'ORT Preview Output', 'ORT Program Output', and 'Encoder'. These feed into a '3480 ENC HUB ATSC' block. Below this, four outputs are shown: 'Return from WAN', 'DR Return', 'Live Spoke Studio', and 'Off-Air Return'. Each output is associated with a specific encoder model: '7880IP-ASI-IP', '7880ENC-MP2HD-DR', '7881ENC-H264HD', and '160RM SPOKE' respectively. A blue arrow points from the text 'TX Issues' to the WNET-HD icon in the Penalty Box.

On the left side, a 'Sources' panel lists '1 - WCNY-HD pbs.txchain1' with three entries: '15:46:07:00 05/11/2012 Fixed SD Record Short Form Player A 00:05:00:02 TEST-CG-028 Default', '15:51:07:00 05/11/2012 Manual SD Record Short Form Player A 00:05:00:02 TEST-CG-028 Underwrite', and '15:56:07:00 05/11/2012 Manual SD Record Short Form Player A 00:05:00:02 TEST-CG-028 Default'. A blue arrow points from the text 'Mediator Widgets' to the bottom of this panel.

On the right side, an 'Allocation' panel shows a table for 'WCNY-HD' with two rows: 'Locator' 'Sub type' 'Prime' 'Spare' and 'pbs.txchain1' 'Auto' 'Prime' 'Spare' and 'pbs.txchainspare2' 'Auto' 'Spare' 'Spare'. It includes buttons for 'Search TX Chains', 'Make Prime', 'Add Spare', and 'Remove Spare'. A blue arrow points from the text 'Mediator Widgets' to the bottom of this panel.

At the bottom, status indicators show 'MAGNUM: Online' and 'MEDIATOR: Online' in green boxes. A blue arrow points from the text 'Mediator Widgets' to the bottom center of the screen.

evertz