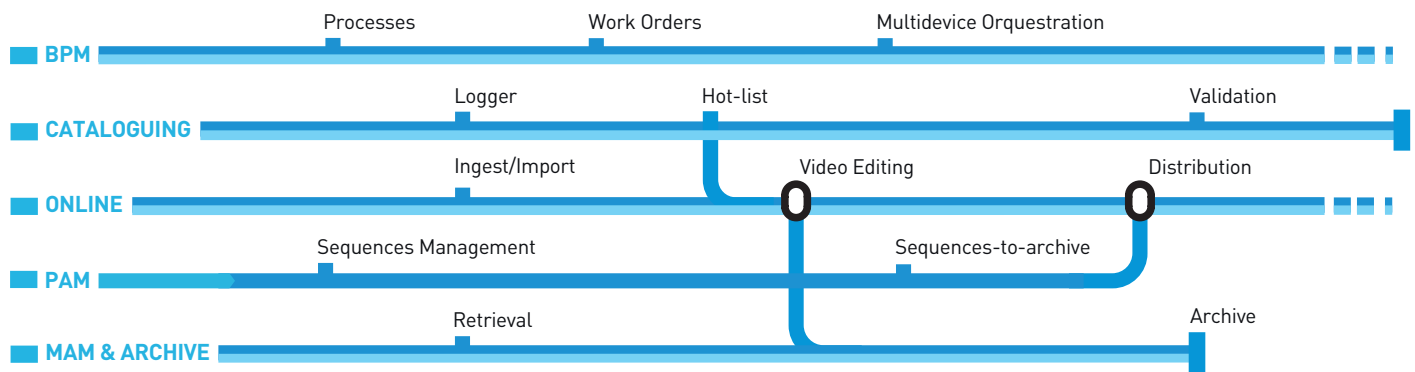# VSN
INNOVATION & MEDIA SOLUTIONS
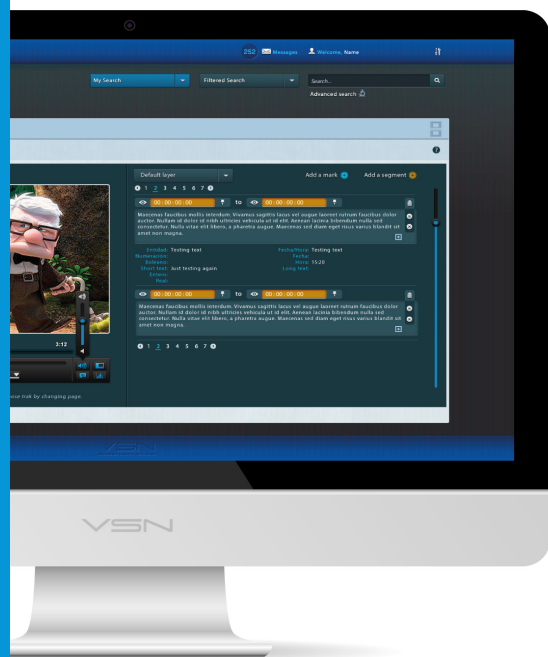
MEDIA & BUSINESS PROCESS MANAGEMENT   NEWS & LIVE PRODUCTION   MCR AUTOMATION & DISTRIBUTION

News Playout | Journalist Tools | Automation | Media Asset Management | Transcoding & Render | Archive | Video Servers Graphics | Teleprompter | Ingest | Web News | Monitoring & Legal Compilance | IP Contribution | Scheduling | Storage | IP Distribution

BPM — Processes — Work Orders — Multidevice Orquestration

CATALOGUING — Logger — Hot-list — Validation

ONLINE — Ingest/Import — Video Editing — Distribution

PAM — Sequences Management — Sequences-to-archive

MAM & ARCHIVE — Retrieval — Archive

Cutting-edge solution for media content management. With all the needed ingest, quality control, cataloguing, storage management, integration with traffic, production and broadcast functionalities. It includes a powerful BPM for process management and multi-screen distribution.

- Web-based architecture that simplifies media distribution over different storage technologies, including cloud resources.

- User-definable parametric metadata.

- Advanced BPM with workflow generator based on BPMN 2.0 (Business Process Modelling Notation).

- Drag & Drop directly to the timeline of the most popular editors.

- Integrated PAM module (Production Asset Management).

- Management of different kinds of assets for different areas. Multi-company support.

- Allows for working in parallel and in a cooperative mode to reduce production times and costs.

- Internal messaging system and real time process monitoring.

- Advanced search and cataloguing tools.

- Web based pre-editor, advanced hotlist management and EDL export capabilities.

- Watermarking, QA, transcoding and multi-screen distribution functionalities.

- Multiple cataloguing layers per asset ('strata-like').

- Intelligent Online, Nearline, Cloud, etc. storage management.

Main Modules:

VSNEXPLORER PAM
Production Asset Management

VSNEXPLORER MAM
Media Asset Management

VSNEXPLORER BPM
Business Process Management

Workflow Diagram

RUNDOWN	Rundown Creation and Task Assignment	Story Edition and Composition	Rundown
TEXT	Agencies	Text Editing	Prompter
GRAPHICS	Design	Labeling	CG
VIDEO	Ingest/Import	Video Editing	Playout
MAM & ARCHIVE	Retrieval	Voice-over	Archive
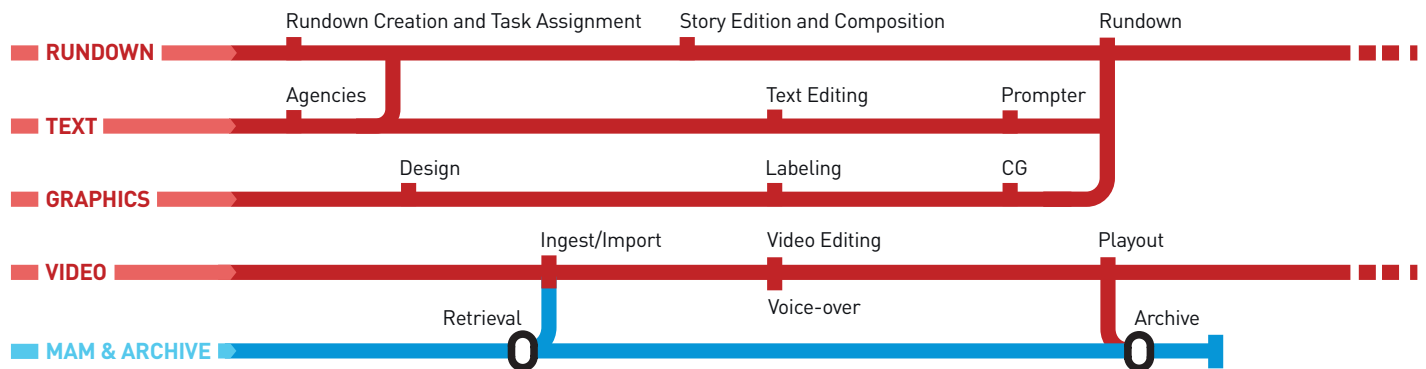
Comprehensive and open solution that covers the complete workflow for news, live production and broadcast. It's scalable, flexible and multi-screen ready.

Main Modules:

VSNNEWS
Integrated NRCS. Journalist tools
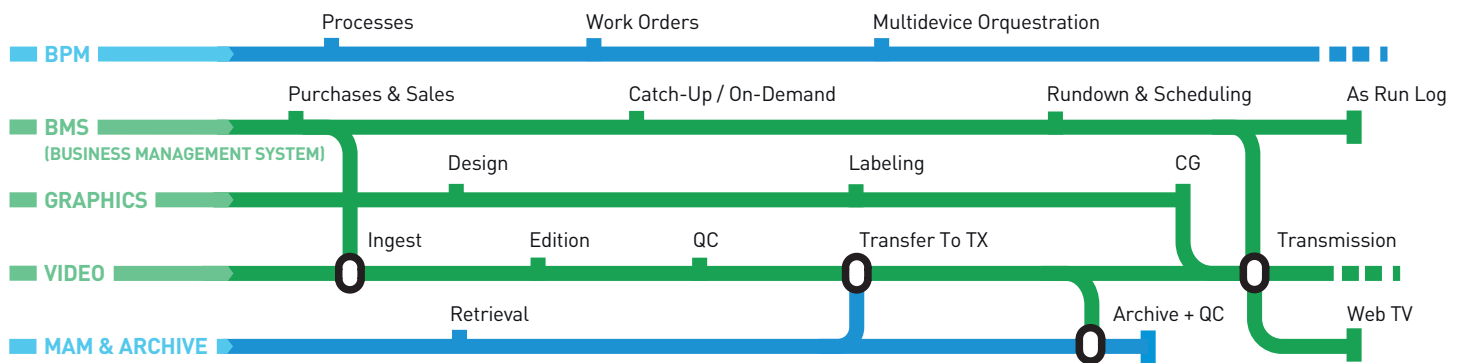
VSNLIVECOM
Studio Playout Automation for live production and newscast

VSNLIVELOGGER
Live sports events cataloguing

- It covers all the necessary steps: from planning, assignment of available resources, rundown creation, integrated production (text, video, audio and graphics), to automating playout and synchronizing the CG and prompter.

- Single journalist desktop application, with an intuitive and simple interface.

- ActiveX MOS plugin for integration with 3rd party NRCS systems (Avid I.News, ENPS, etc.).

- Web pre-editor: search and preview media, add marks, export EDLs and send to broadcast.

- Live logging tool for sports and live events.

- Newswires reception module for external news agencies text and video.

- Web client for correspondents and accelerated transfers for contributions and news distribution.

- Automated video ingest from external lines, files, VTRs, XDCAM and P2 cards, etc.

- Module for news web-publishing.

- It integrates with most NLEs in the market (Premiere, Avid, FCP, Vegas or Edius). It includes a powerful PAM system for shared editing.

- VSNLIVECOM MOS compatible studio playout automation system for integration with third-party video servers. Several levels of redundancy.

MCR AUTOMATION & DISTRIBUTION

BPM	Processes	Work Orders	Multidevice Orquestration	
BMS (BUSINESS MANAGEMENT SYSTEM)	Purchases & Sales	Catch-Up / On-Demand	Rundown & Scheduling	As Run Log
GRAPHICS	Design	Labeling	CG	
VIDEO	Ingest / Edition / QC	Transfer To TX		Transmission
MAM & ARCHIVE	Retrieval		Archive + QC	Web TV

Complete automated distribution solution for multichannel television. It allows for a comprehensive control of all contents and devices, as well as all the processes inherent to broadcasting. Maximum reliability and security integrated with traffic, production and archive systems.
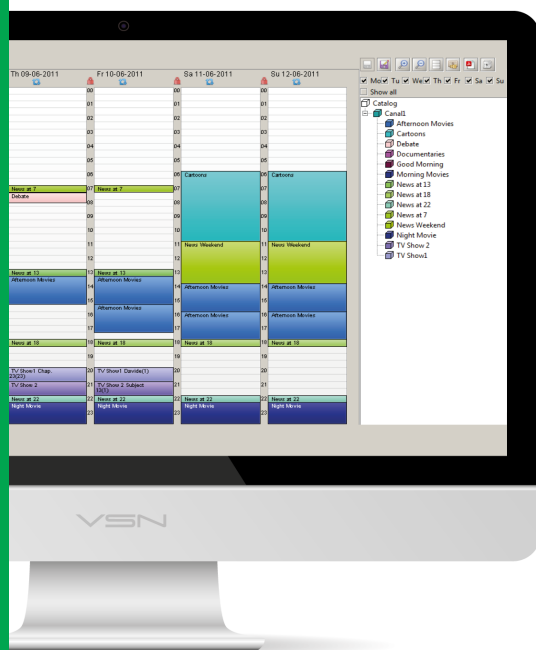
Main modules:

VSNMULTICOM
Automatized ingest

VSNCREATV
Scheduling & traffic management

VSNBROADREC
Legal recording

- Automation software with absolute reliability for 24/7 broadcast.

- Simple or multi-channel architecture with several redundancy levels avoiding single point of failures.

- Video Server control via VDCP: DVS, Harmonic, EVS, Grass Valley, Harrys, Seachange, and more.

- Full CG control: Brainstorm, Chyron, vizrt, Orad, Miranda, etc.

- Master Control Switcher interface: Evertz, Miranda, Snell, Ross, Grass Valley...

- Bidirectional integration with several Traffic systems.

- Management of the processes of purchasing, editing and quality control of content.

- BMS for live show programming, catch-up and VoD.

- Total solution for connection and disconnection amongst different channels and unique blocks insertions.

- VSNCREATV: Optional scheduling module with complete management of external production contracts and publicity.

- Total integration with MAM and Storages for automatic content transfer to the playout.

The Spider Platform is a cutting-edge framework in a new generation of cloud-friendly software solutions for Media and Broadcast

SPIDER is the result of an ambitious project that VSN has developed over the last years. The objective was to create a software platform based on a SOA that provides common services to the different software applications that participate in the value chain of an audio-visual company, maximizing both the profitability and the flexibility needed to address the new business models of the M&E sector (Media & Entertainment).


SERVICE ORIENTED ARCHITECTURE (SOA), OPEN, DISTRIBUTED AND SCALABLE

Spider is based on a service oriented architecture **(SOA) and adheres to FIMS specifications** (Framework for Interoperable Media Services). In this way, Spider allows the **interconnection of different manufacturers' applications** through web-service protocols, avoiding expensive integration projects and custom developments.

BPM & BI

Spider integrates a BPM module with the BPMN standard (Business Process Modelling Notation) enabling the **orchestration of processes**, reducing operational costs, including quality and optimizing the use of available resources.

In a file-based broadcast environment, business processes involve people, systems and content. Only when all of these work together and processes are standardized, maximum productivity and value is achieved. VSN's BPM **organizes, interrelates and automatizes tasks**, helping to simplify processes, detecting problems, reducing errors and improving both efficiency and productivity.
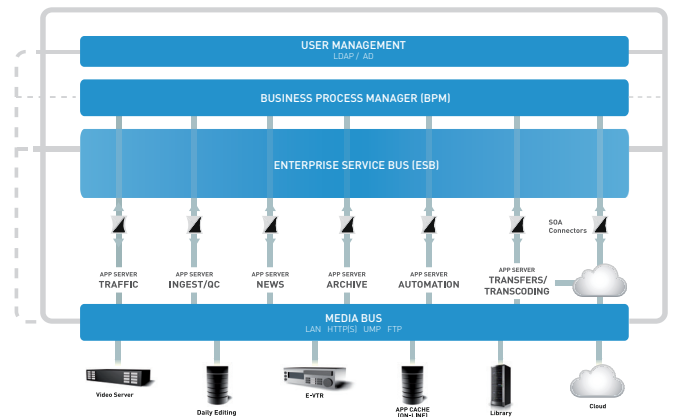
PARAMETRIC METADATA

Working with dynamic **data models customized for and associated to multimedia content** (MAM) and processes (BPM) is a differentiating business advantage for producers and distributers alike. This is more so in new existing multi-screen environments, characterized by fragmented audiences and interaction with consumers. The use of metadata allows the catalogation of different types of media content, which is essential for businesses built on digital systems.

FILE MANAGEMENT CLOUD-FRIENDLY

Spider's architecture allows for the management of **multi-site distributed environments**, providing a global control of the audiovisual organization even if it is physically spread out. It allows for unified management of the different MAM storages and its content. SPIDER enables us to **gradually scale** the system in order to be able to evolve together with the needs of the business without having to incur in great initial expenditures derived from the growth expectations included in the business plan.

The Media Bus layer runs all the file **transformation and normalization** operations that processes and applications demand, adding acceleration of file transfers and IP network optimitzation with VSN's **exclusive UMP protocol** (Universal Multi Protocol).

BROADCAST SOLUTIONS

BARCELONA

MIAMI

DUBAI · HONG KONG

MONTEVIDEO

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