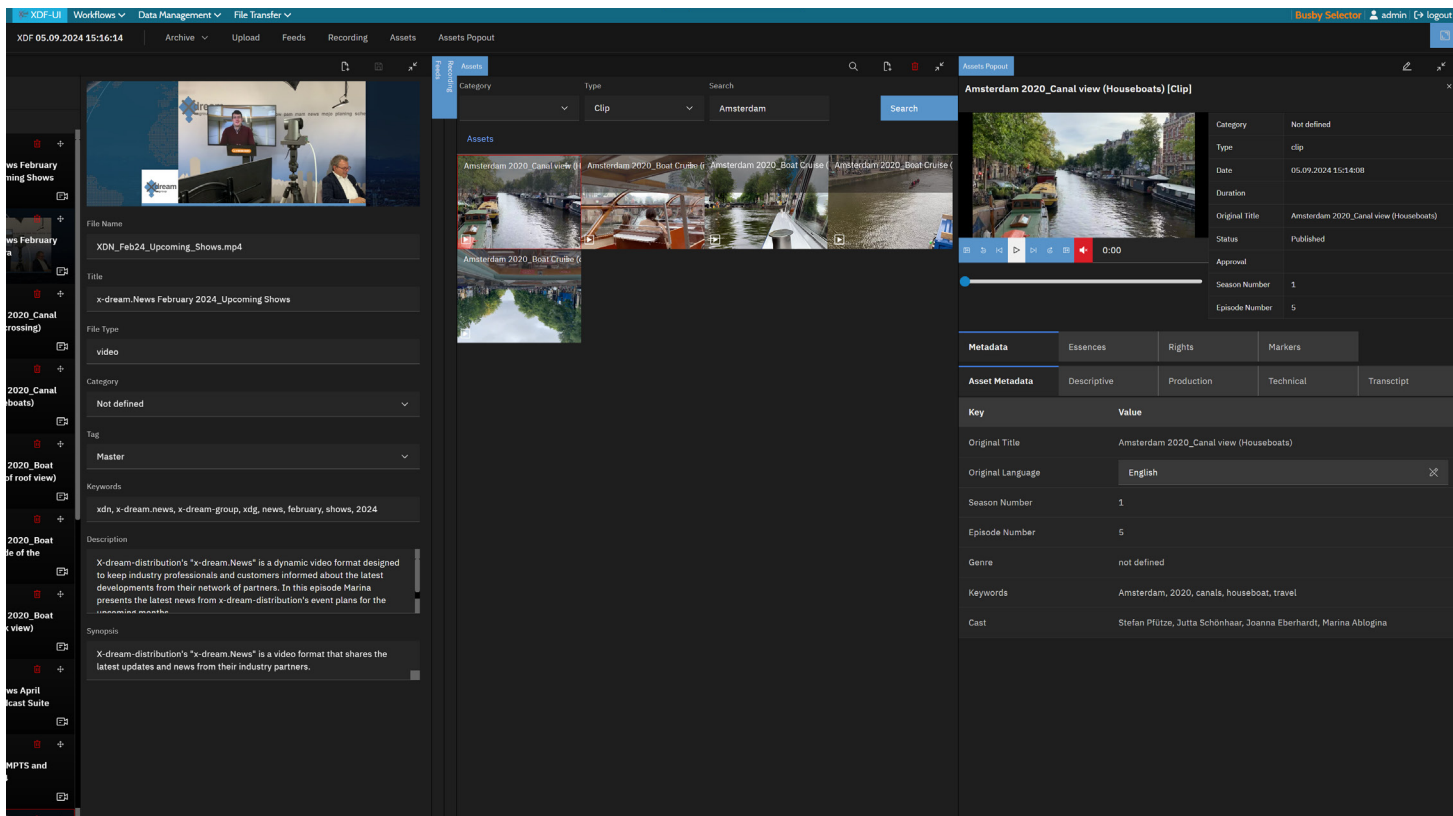# ARCHIVE

## remote or hybrid archive asset management solution

x-dream-Fabrik **ARCHIVE** is made to aggregate, manage and deliver your media assets to your customers, either B2B or B2C. ARCHIVE helps you to monetize your content by ensuring it is easily accessible and always ready for sale.



## USE CASES

- Production archive at broadcasters and publishers

- Content delivery from producers to customers

- Archive in public sector (libraries, governments, universities, etc.)

**ARCHIVE** integrates x-dream-Fabrik's Upload and Archive modules and works with source modules like Record, Ingest and PROXCHANGE, as well as post-production with PRODUCE and output products like PUBLISH, DELIVER and PLAYOUT.
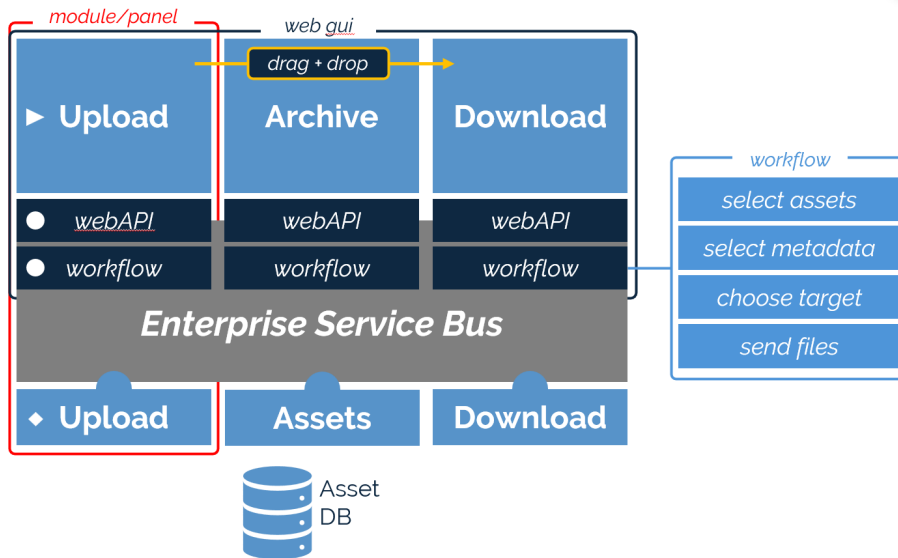
**ARCHIVE** manages media assets, including videos, audio, proxies, subtitles and metadata. It supports various file types and enriches metadata through automatic imports, AI and manual editing, enhancing searchability and monetization.

The system creates browsing proxies, thumbnails, audio versions, subtitles and technical delivery versions from master files.

It also includes related documents like screenplays and scripts.

# ARCHIVE



**module/panel**  
**web gui**

| ▶ Upload | Archive | Download |
|---|---|---|

drag + drop

| ● *webAPI* | *webAPI* | *webAPI* |
| ● *workflow* | *workflow* | *workflow* |

**Enterprise Service Bus**

| ◆ Upload | Assets | Download |
|---|---|---|

Asset DB

**workflow**
- select assets
- select metadata
- choose target
- send files

## Description

**Built-in Media Player:** Displays browsing proxies by default, but can play other audiovisual essences. Features include trimming, marker setting (e.g. for ad insertion), subtitle display and timed metadata manipulation.

**Nested Content:** Organizes assets in a three-level hierarchy for series or other content types. More levels can be added upon request, simplifying content management.

**Essences Management:**
- Video: handles master and derived versions like director's cuts or trailers.
- Audio: manages language versions, soundtracks and dialogue tracks.
- Subtitles: provides subtitles in various languages as separate files.
- Pictures: delivers artwork like cover images, series and chapter pictures.

**Metadata Delivery:**
- Descriptive: includes structured (title, genre, release date) and unstructured (synopsis, actors) metadata.
- Business: automates publishing with data on rights, business models and pricing.
- Technical: covers parameters like format, codec, resolution and bitrates.

**Control Data:** manages publishing schedules and approval for content distribution.

**Other x-dream-Fabrik products to explore ...**

| PROCESS | PROXCHANGE | PRODUCE | DELIVER | PLAYOUT | PUBLISH | NEWS |
|---|---|---|---|---|---|---|

## X-DREAM-FABRIK

**x-dream-Fabrik** is a pre-integrated, pre-configured and managed end-to-end solution for the media industry. Thanks to its unique UI and microservices architecture it covers the complete business process from content production to post-production, asset management, story creation to playout, publishing, sales and distribution.

**x-dream-Fabrik** is a ready-to-go platform with a clear licensing model. It runs on-premises, in public or private clouds or hybrid.

# DELIVER

## essence + metadata aggregation & delivery solution

x-dream-Fabrik **DELIVER** is made to monetize your content via 3rd party platforms. DELIVER aggregates media essence files (video, audio, subtitles, pictures) and different types of metadata into an asset package ready for publishing or playout.
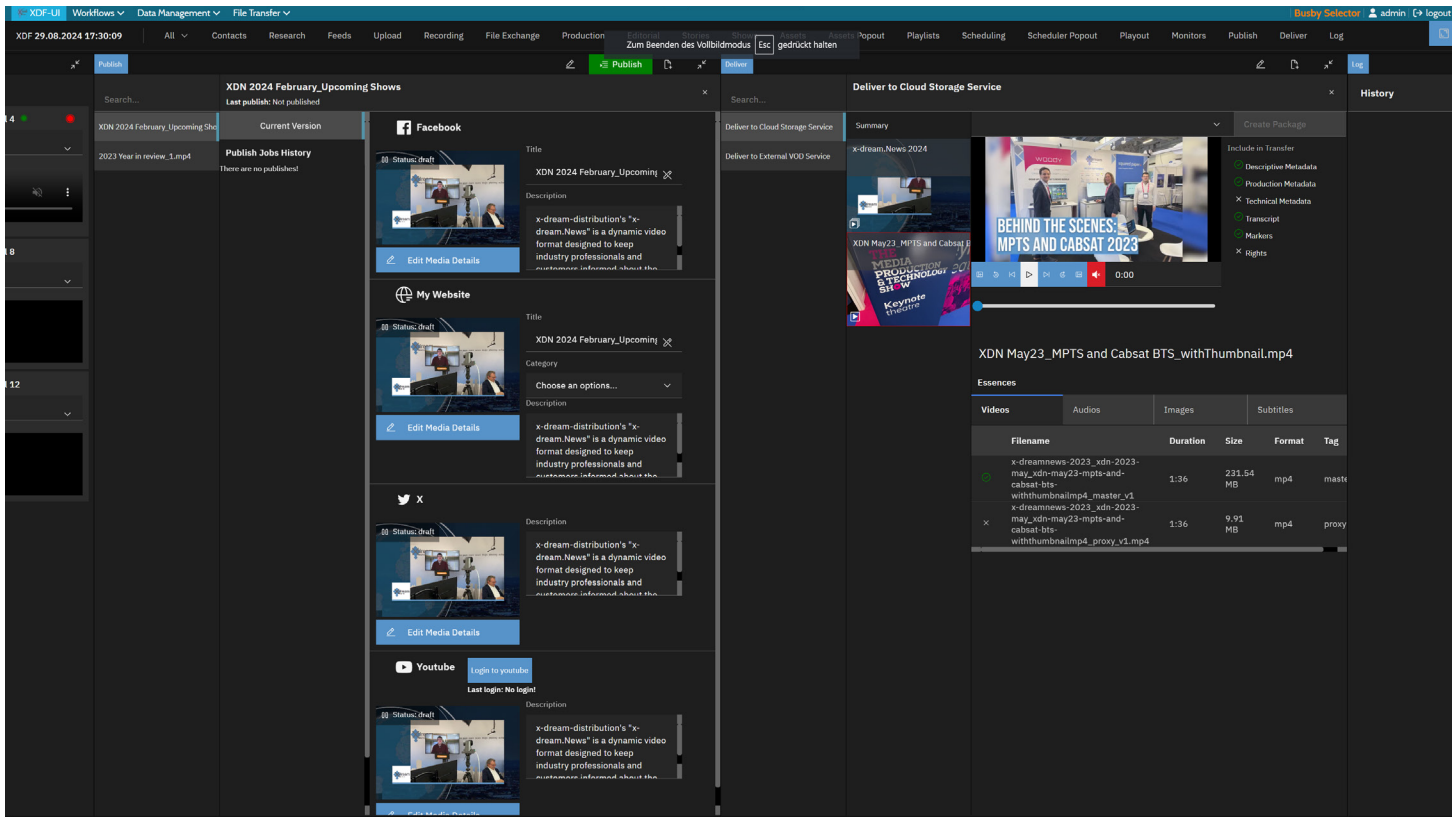


## USE CASES

- Delivery to primary customers
- Monetization of stock content
- Online Video asset package preparation
- Ingest or delivery to Broadcasters OVPs

**DELIVER** automates the monetization of your archive content, whether it's individual media assets or entire series.

The process starts by setting up the delivery job, defining technical targets and selecting the necessary essences and metadata.

Content is then easily transferred from the archive via drag-and-drop, with the system automatically packaging the correct files.

Any missing elements are flagged for manual AI-supported handling.

For complex content, like series or sports, assets are organized in a three-level hierarchy, enabling large-scale packaging with a single action. Various essences – video, audio, subtitles, pictures – along with descriptive, business, and technical metadata, are automatically processed and delivered. Control data ensures precise scheduling for publishing and unpublishing.

# DELIVER
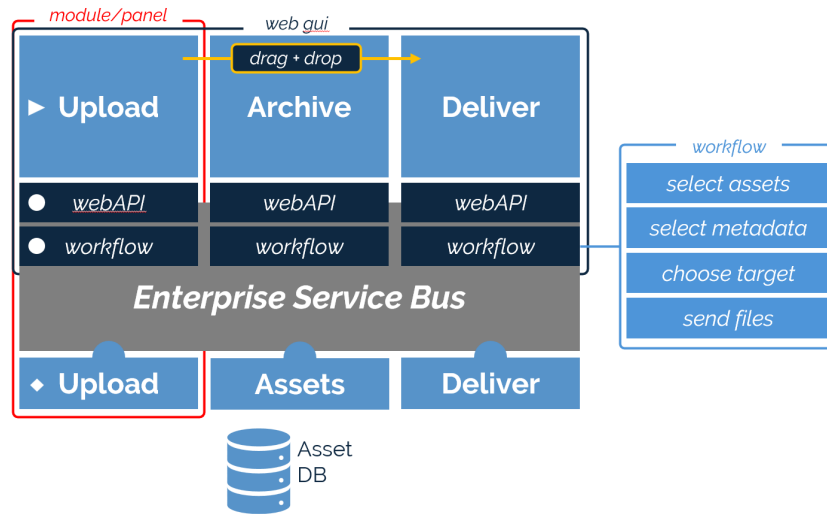


## Specifications

### Asset Package Elements
- Video essences
- Audio essences
- Subtitle essences
- Browsing Proxy
- Picture essences: thumbnail, cover picture, series & season picture, episode picture, chapter picture, scrubber board
- Series, season, episode
- Descriptive metadata: structured metadata (title, genre, (sub)

categories, creation year, release date, age rating, etc.), unstructured metadata (synopsis, description, directors, actors, filming locations, etc.).
- Business metadata: OVPs, content rights, business models, pricing, etc.
- Technical metadata: format, codec, resolution, framerate, frame mode, bitrates,

sampling rates, bit depth, etc.

### Available Delivery Targets
- Production customers
- B2B content customers
- Online video platforms
- Own VOD platform
- External archive

### Available Delivery Methods
- sFTP
- File Catalyst
- On request: Aspera, Signiant

**Other x-dream-Fabrik products to explore ...**



PROCESS    ARCHIVE    PRODUCE    PROXCHANGE    PLAYOUT    PUBLISH    NEWS

# X-DREAM-FABRIK

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# NEWS

## storytelling for linear production and cross media publishing

x-dream-Fabrik **NEWS** implements the complete media business processes for cross-media news production and publication – from information research to consumption reporting. It provides tools for all roles and tasks, on a single platform which is operated through a graphical user interface.
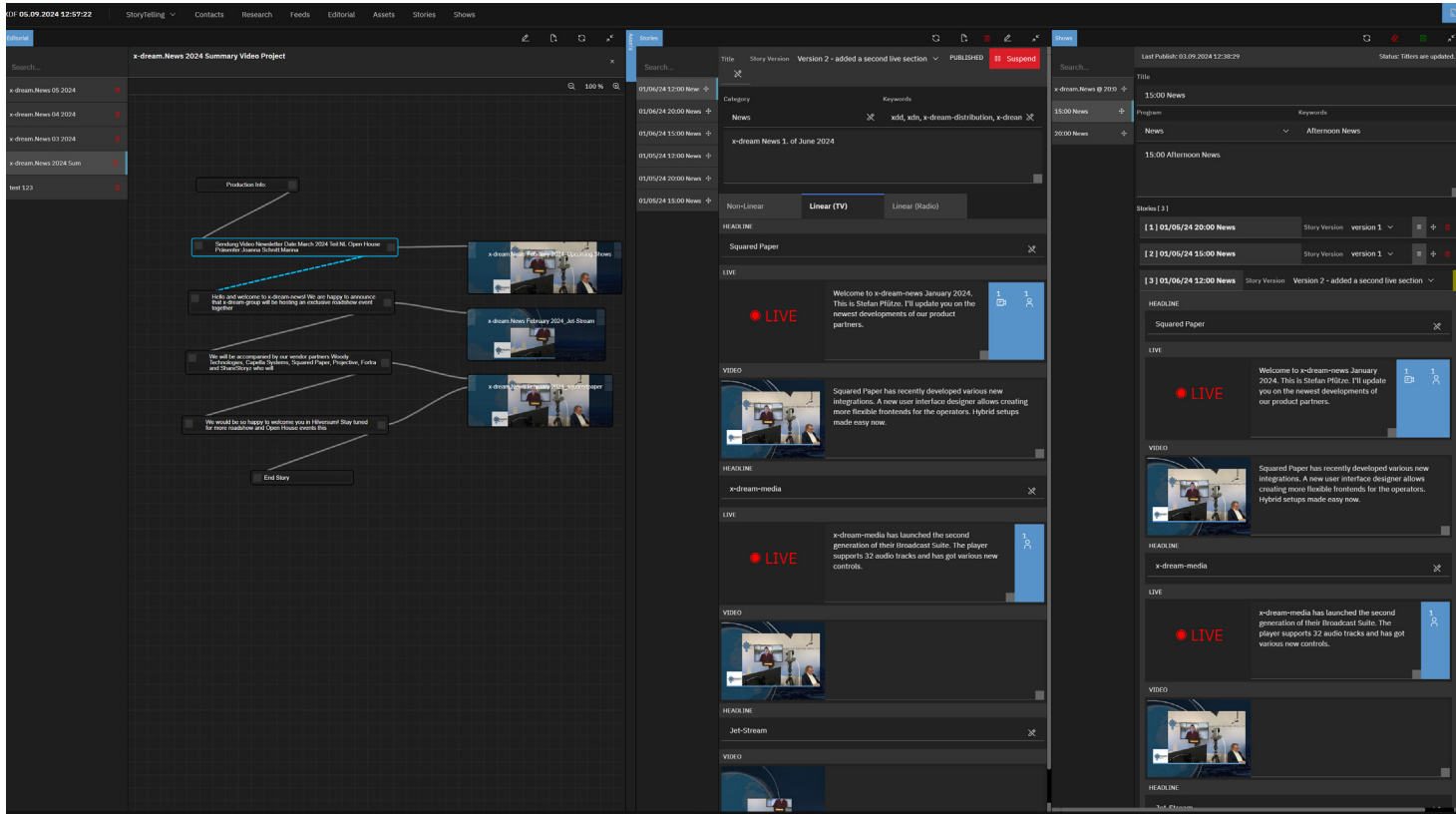


## USE CASES

- Editorial research in big teams
- Cross media story creation
- Online and social media stroytelling
- News show production

x-dream-Fabrik's **NEWS** offers a comprehensive, all-in-one platform for managing the entire news production lifecycle.

It features modules for Research, Editorial Board, Upload, Production, Archiving and Storytelling, with optional modules for Workorders, Shows, Publishing, Interaction and Statistics.

Enhanced by engines for transcoding and optional generative AI text creation, the solution is designed for ease of use, featuring an intuitive drag-and-drop interface with a clean and streamlined look.

This fully integrated, fast and efficient NEWS solution is pre-configured for an out-of-the-box experience.

Scalable, redundant and built on a microservices architecture it ensures flexibility and reliability for any newsroom.

# NEWS
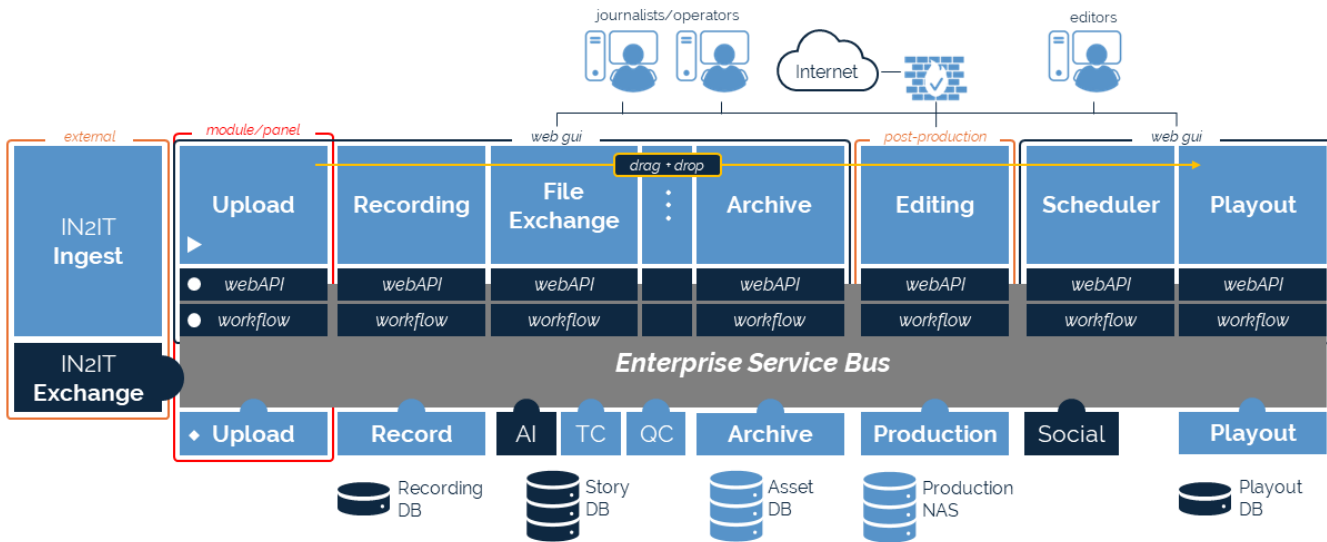


## Specifications

The **Contacts** module helps researchers, editors and journalists to store and find contacts that are used for information gathering.

The **Research** module allows researchers, editors and journalists to store and find editorial information not yet related to a story.

The **Feeds** module helps editors and journalists to screen and research info/news feeds from external sources.

The **Upload** module is the default tool to import media files (video, audio, pictures, etc.), ancillary data (subtitles, transcripts, etc.) or any other related files (script, dialogue script, calculations, etc.) into x-dream-Fabrik.

The **Post-production module** acts as a bridge between x-dream-Fabrik and a Production Asset Management (PAM) System.

In the **Editorial Board** information received from various sources is aggregated, sorted, viewed, reviewed and finally evaluated.

In the **Story Telling** module, a story is created and filled with information (text, picture, audio, video, voice over), structured for each publication channel.

In the **Live Shows** module, the structured rundown for a complete show is composed from individual stories and standard elements like openers and closers.

The **Archive module** acts as the central media asset repository.

**Other x-dream-Fabrik products to explore ...**



PROCESS  ARCHIVE  PRODUCE  DELIVER  PLAYOUT  PUBLISH  PROXCHANGE

# X-DREAM-FABRIK

**x-dream-Fabrik** is a pre-integrated, pre-configured and managed end-to-end solution for the media industry. Thanks to its unique UI and microservices architecture it covers the complete business process from content production to post-production, asset management, story creation to playout, publishing, sales and distribution.

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# PLAYOUT

## content scheduling and stream encoding

x-dream-Fabrik **PLAYOUT** is made to monetize your archive content through live programming. This includes individual media assets as well as series, seasons and episodes. PLAYOUT is the combination of linear program scheduling, the actual playout and program monitoring.



## USE CASES

» Event channels, e.g. sports, news, entertainment

» Regional TV channels

» FAST channels

» Special interest channels

PLAYOUT empowers you to manage and deliver your own TV channel, monetizing archive content and integrating live sources.

It uses playlists for 24/7 scheduling, enabling easy reuse of content and managing loop channels.

Playlists can include video assets, live sources or placeholders, perfect for late-stage ad bookings or upcoming program elements.

The system supports automated or manual schedule creation, handling

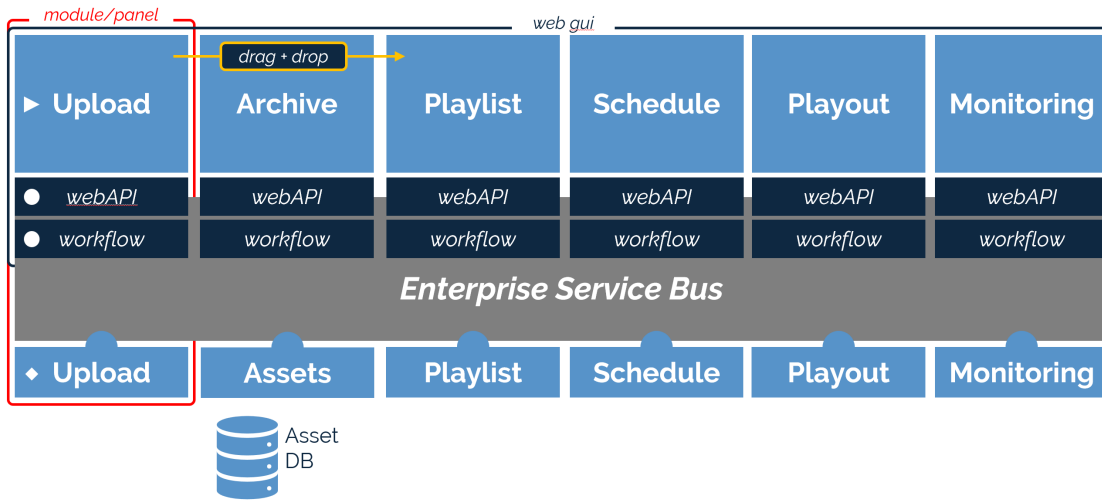multiple channels from one single interface.

For events, templates streamline timing, sources and overlays, ensuring flexibility and quality.

Playout can be automated or operator-controlled, adapting to program changes or live conditions.

Multiple engines deliver streams via IP, SDI, NDI or SMPTE, with options for redundancy.

A built-in multiviewer monitors the return signal and other station programs.

# PLAYOUT



module/panel    web gui

| ▶ Upload | Archive | Playlist | Schedule | Playout | Monitoring |
|---|---|---|---|---|---|
| ● webAPI | webAPI | webAPI | webAPI | webAPI | webAPI |
| ● workflow | workflow | workflow | workflow | workflow | workflow |

**Enterprise Service Bus**

| ◆ Upload | Assets | Playlist | Schedule | Playout | Monitoring |
|---|---|---|---|---|---|

Asset DB

## Specifications

### Scheduling Features
- Playlist creation based on video essences, live sources and placeholders
- 24/7 schedule creation or event job creation
- Logo insertion, timed
- Lower third overlay, timed

### Playout Operations Features
- Skip & jump
- Replace content
- Trimm content
- Overlay selection

### Available Playout Engines
- FFPlayout
- Libero
- AWS Elemental Live
- Capella Cambria Live
- Agile Content Streambuilder

### Supported File Formats
- Any, PLAYOUT is fully format and video standard agnostic

### Available Delivery Methods
- RTMP
- SRT
- WebRTC

**Other x-dream-Fabrik products to explore ...**

PROCESS    ARCHIVE    PRODUCE    DELIVER    PROXCHANGE    PUBLISH    NEWS

# X-DREAM-FABRIK

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# PROCESS

## conditional workflows to drive transcoding, QC & more

x-dream-Fabrik **PROCESS** is made to lift your media processing to the cloud or to run hybrid. File processing is managed by a workflow orchestrator allowing conditions and multiple steps to run transcoding, quality control, transcription and translation.
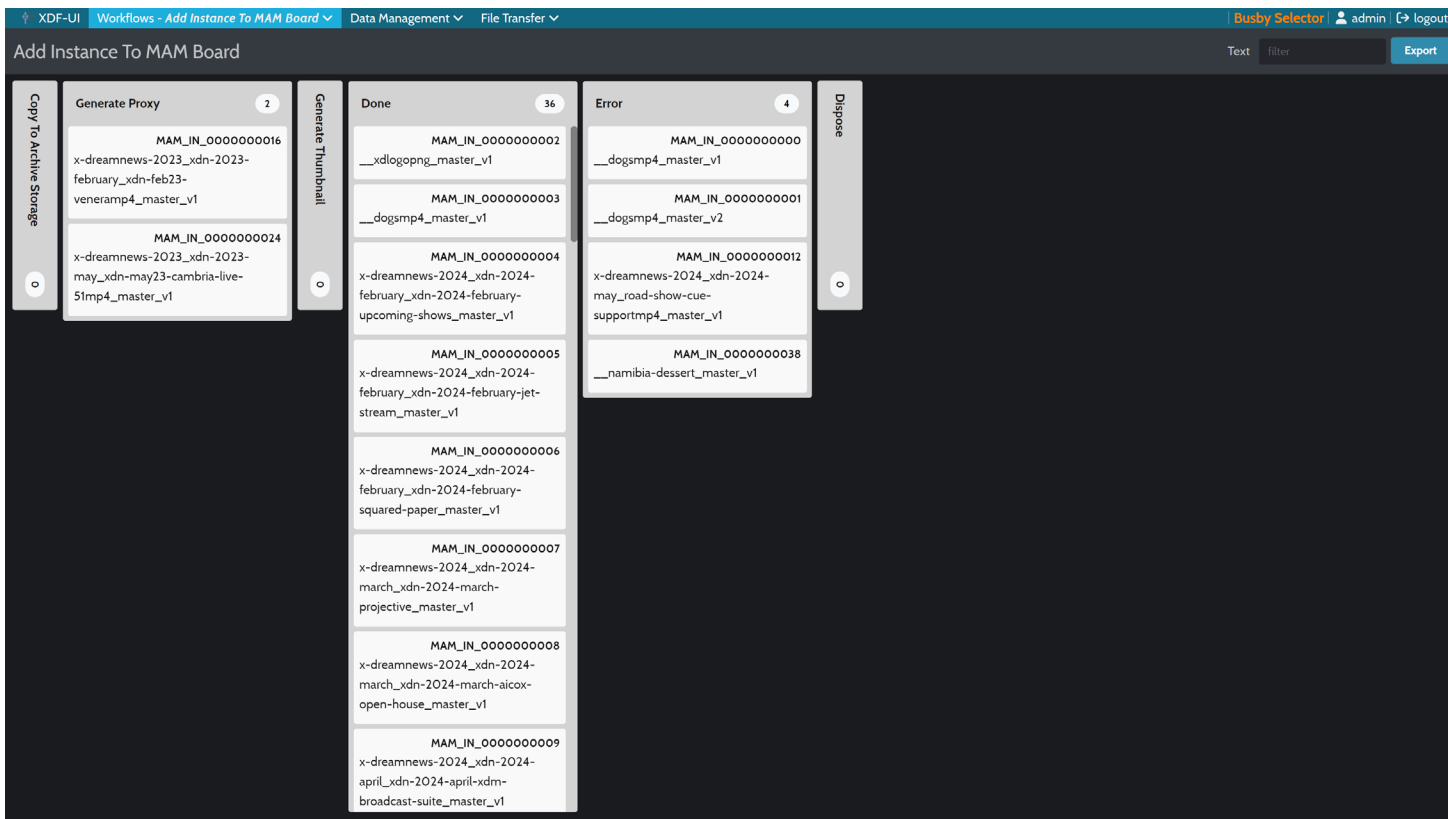


## USE CASES

- Cloud-based value add video processing

- Hybrid video processing

**Workflow Orchestrator**
Media file processing is managed by Busby, a workflow orchestrator from Squared Paper. Busby is a lightweight, broadcast-specific ESB with built-in microservices and third-party services like transcoding, quality control, transcription and translation.

**Transcoding**
The Transcode module, using Capella Cambria FTC, adds versatile transcoding to the processing chain. It supports a wide range of professional digital video formats and offers options like frame-rate conversion, deinterlacing, and size conversion.

**Quality Control**
The Quality Control module integrates Venera Technologies' Pulsar for efficient quality management, supporting HDR, IMF, 4K and Broadcast/OTT formats.

# PROCESS

## Specifications

**Transcoding Input Formats:** MXF (Sony XDCAM, Panasonic P2), Apple Pro Res 422, DNxHD, DNxHR, XAVC, ProRes, DVCPRO HD in QuickTime, MPEG-2, etc.

**Transcoding Output Formats:** Dolby Vision, HEVC/H.265, AVC/H.264, MPEG-2, Sony XDCAM, etc.

**QC of VOD and Adaptive Bitrate:**
- MPEG-DASH, Apple HLS, Microsoft Smooth Streaming
- Encrypted package support
- Auto-assign QC templates to encoding profiles
- ABR package integrity checks

**Compliance**
- Photosensitive Epilepsy (Harding PSE)
- Audio loudness (CALM, EBU R128, OP-59)
- Luminance & chrominance, RGB Gamuts
- EAS message detection
- Compliance with Netflix, iTunes, DPP, ARD-ZDF, etc.
- Track content layout (color bars, black frames, freeze frames, etc.)

**Conditional Workflows**
- Drive workflows via metadata, sidecar files, API calls
- Dynamic processing based on conditions
- Unified interface for manual interaction and settings

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**Other x-dream-Fabrik products to explore ...**

PROXCHANGE    ARCHIVE    PRODUCE    DELIVER    PLAYOUT    PUBLISH    NEWS

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# X-DREAM-FABRIK

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# PRODUCE

## distributed & collaborative post-production solution

x-dream-Fabrik **PRODUCE** is made to create media assets from newly uploaded or archived material. Sources are collected centrally and made available to the editing seats on-premise or at home. Edited essences need to be approved and then forwarded to the publication systems.
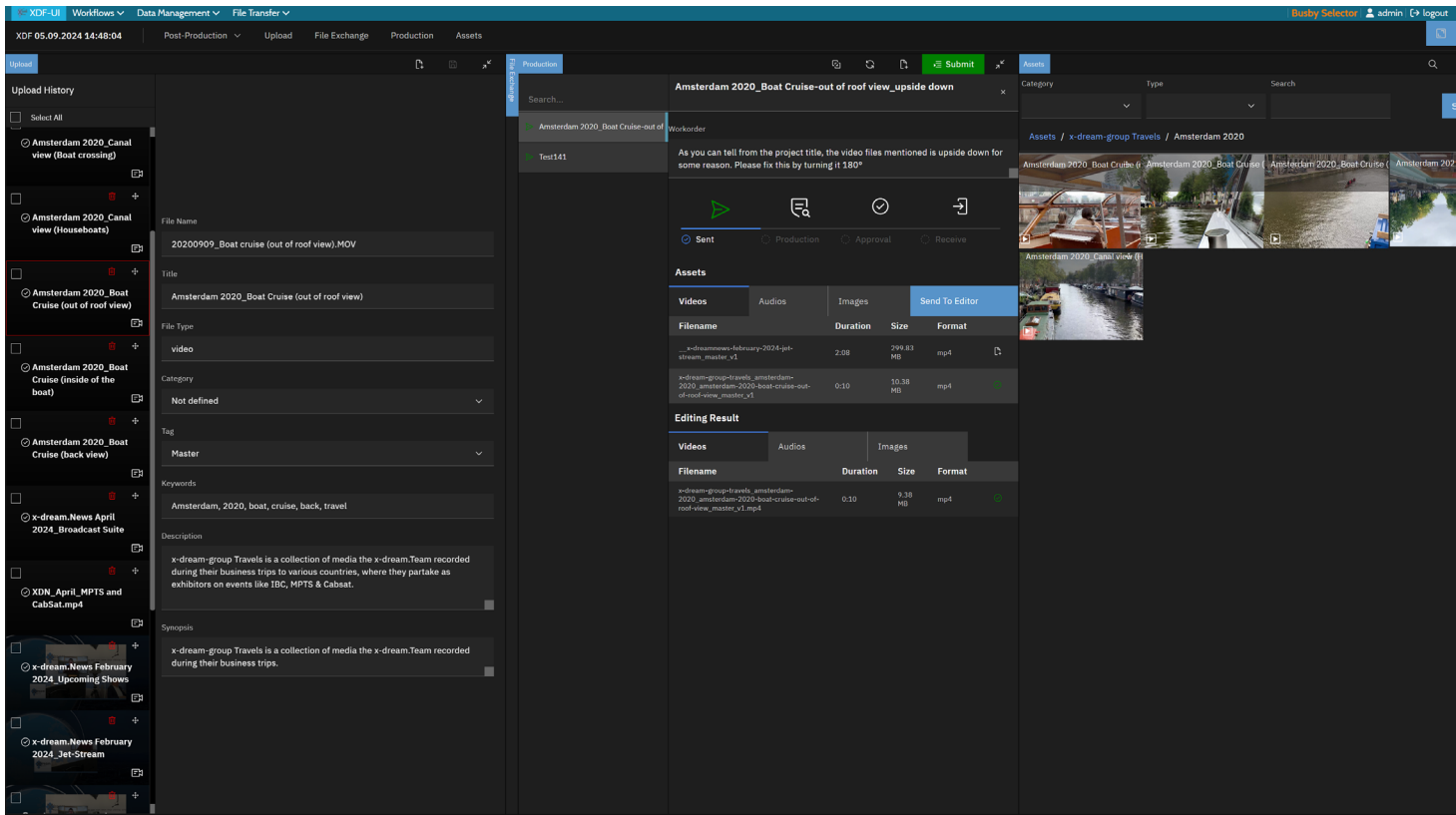


## USE CASES

- Collaborative post-production
- Cloud & remote editing
- Content localisation

**PRODUCE** integrates x-dream-Fabrik's Upload and Produce modules and can be combined with source modules like Record, Ingest, and ProXchange, as well as with Archive for media management and Publish, Deliver, and Playout for output.

It is built on Projective's Strawberry platform, which transforms a NAS into a versatile Production Asset Management (PAM) system, suitable for various editing applications.

Skies extends this PAM from the datacenter to any workplace, ensuring a consistent user experience whether teams are working centrally, in distributed offices or from home.

**Production Asset Management:** Strawberry generates proxies for preview and remote editing, allowing users to communicate with markers and use built-in approval workflows.

# PRODUCE
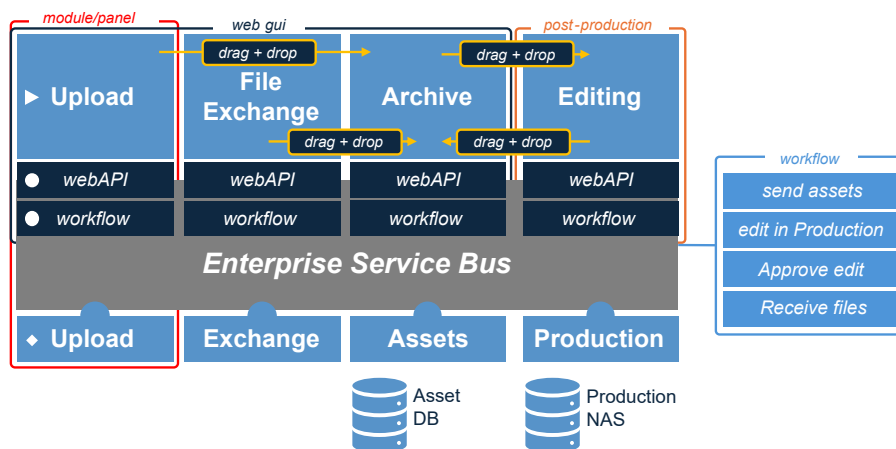


## Specifications

**Deep NLE Integration:** Strawberry offers Adobe plugins for easy access to projects and media in Premiere Pro and After Effects, with Avid-style bin locking on standard IT storage.

**Project-Driven Templates:** Templates ensure consistency, eliminating guesswork and prep time and provide a unified structure for editors, designers, producers, freelancers and external stakeholders.

**Collaboration:** Provides a platform for all production stakeholders to contribute, with comments tracked and converted into searchable metadata.

**Remote Workflows:** Offers intuitive, secure tools for remote editing, review, and approval, utilizing hybrid-cloud technology for seamless collaboration.

**Access Control and Security:** Features comprehensive user management and access control at both project and storage levels, ensuring security, especially for freelancers. It integrates with AD and LDAP.

**Automatic Storage Management:** Organizes ingest and editing storage automatically, with granular access control so freelancers only see relevant material.

**Search Engine:** Enables instant search and viewing of media files across all storage platforms, including online, nearline, cloud or archive.

**Deduplication Tools:** Reduces waste and "media offline" errors by linking shared assets and removing duplicate files through active file-based deduplication.

**Other x-dream-Fabrik products to explore ...**



PROCESS    ARCHIVE    PUBLISH    DELIVER    PLAYOUT    PROXCHANGE    NEWS

## X-DREAM-FABRIK

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# PROXCHANGE

## bi-directional media exchange

x-dream-Fabrik **PROXCHANGE** is made to send or request files and workorders under your full control via a secure platform. It's an alternative to an ftp server or a more secure version of the online file transfer. In the process, you can communicate with your peers.
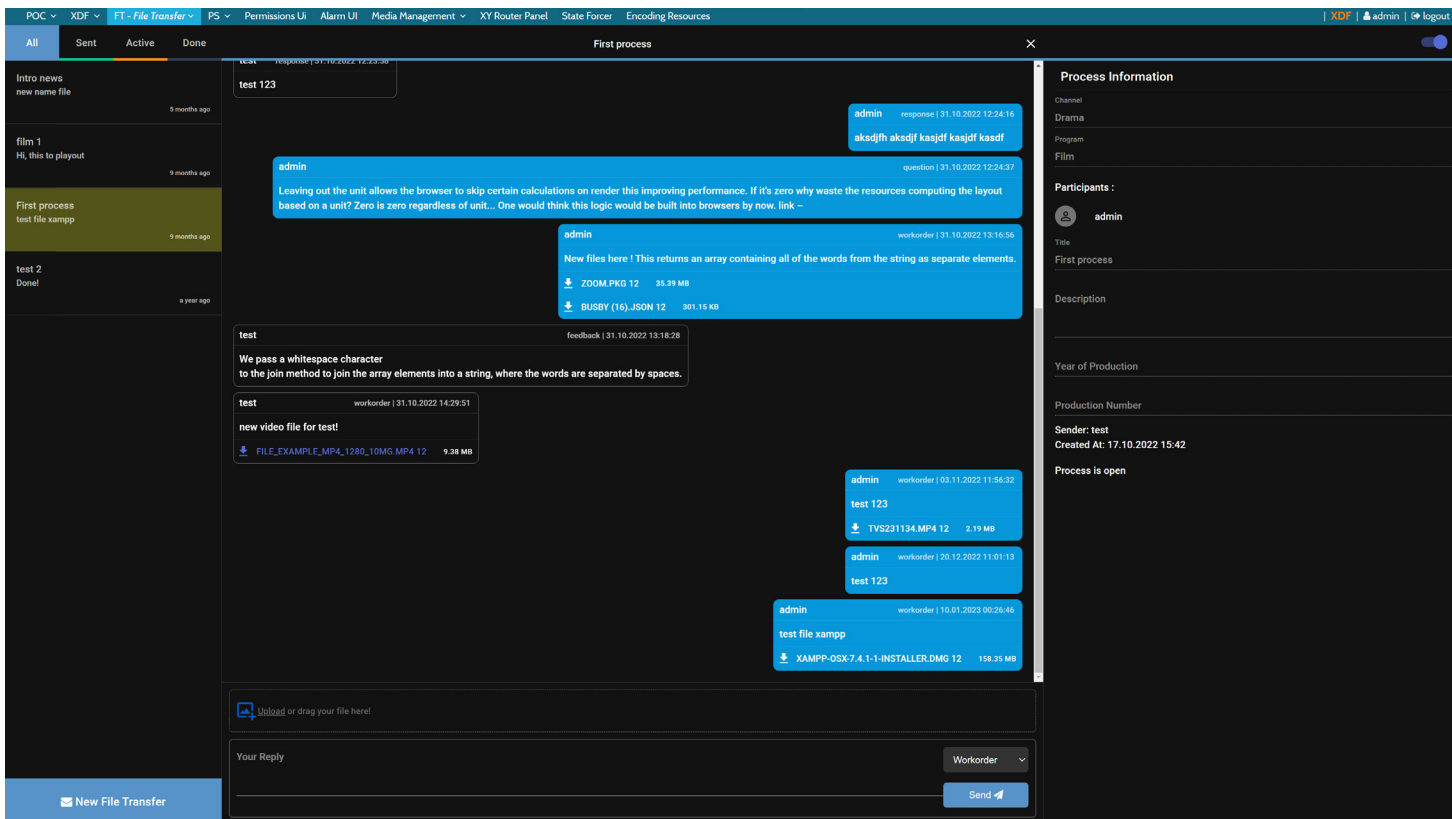


## USE CASES

- ◆ Workorder management between broadcaster and post-production partner
- ◆ Production result hand over to customer

**PROXCHANGE** is a web-based portal with workorder management. There are four main ways of using it:

- ◆ You want to send one or multiple files once or multiple times.
- ◆ You want to request one or multiple files to be sent to you.
- ◆ You want to send out one or multiple files and want to request a result to be sent back to you.
- ◆ You want to forward the files that have been sent to you to another contributor instead of downloading yourself.

In all cases, your file exchange partner receives an email when you have provided files for them to download or when you want them to send files to you.
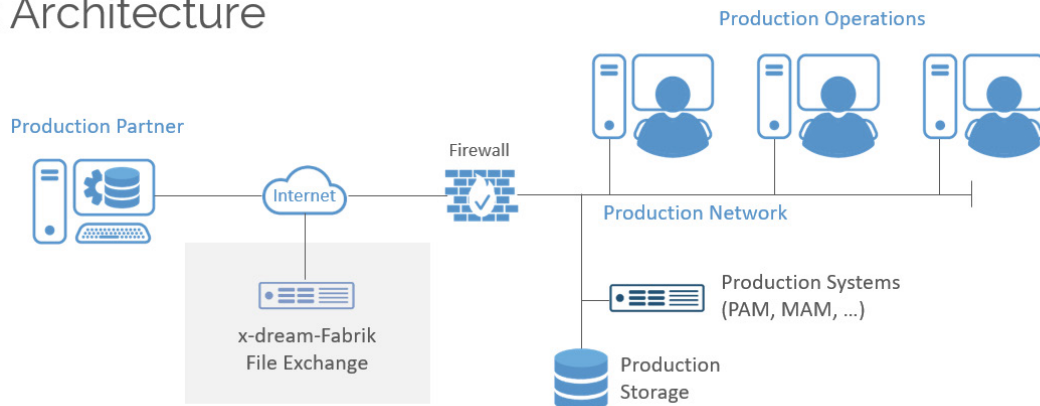
Furthermore, you receive an email notification whenever your file exchange partner has downloaded or sent files.

Additionally, you can request to approve a file alternatively or in addition to downloading it.

# PROXCHANGE

## Network Architecture



Production Partner

Internet

x-dream-Fabrik
File Exchange

Firewall

Production Operations

Production Network

Production Systems
(PAM, MAM, …)

Production
Storage

## Specifications

The PROXCHANGE platform allows users to preview audio, video and graphic files. This is to ensure only files of genuine interest are downloaded. It also enables online approvals or file forwarding without downloading of heavy lift files.

PROXCHANGE is an x-dream-Fabrik product. It can be combined with all source modules like Record, Ingest, with the media management product ARCHIVE and with the output products like PUBLISH, DELIVER and PLAYOUT.

### Workorder & metadata support

- Flexible workorder metadata set
- Workorder task type support
- Free task description support

### Supported Exchange Cases

- Send and Receive
- Send and Send Back
- Forward

### Available notifications

- Downloaded
- Request to Upload
- Approved
- Closed

### Supported File Formats for Exchange

- Any, PROXCHANGE is fully format agnostic.

### Supported File Formats for Previewing

- Video
- Audio
- Pictures

**Other x-dream-Fabrik products to explore …**

PROCESS   ARCHIVE   PRODUCE   DELIVER   PLAYOUT   PUBLISH   NEWS

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# PUBLISH

## content publishing
## on social media & selected channels

x-dream-Fabrik **PUBLISH** is made to publish your stories. PUBLISH brings your asset or non-linear story, comprising of video, audio, subtitle and picture essences, enriched with editorial text, directly to social media platforms or your own websites.
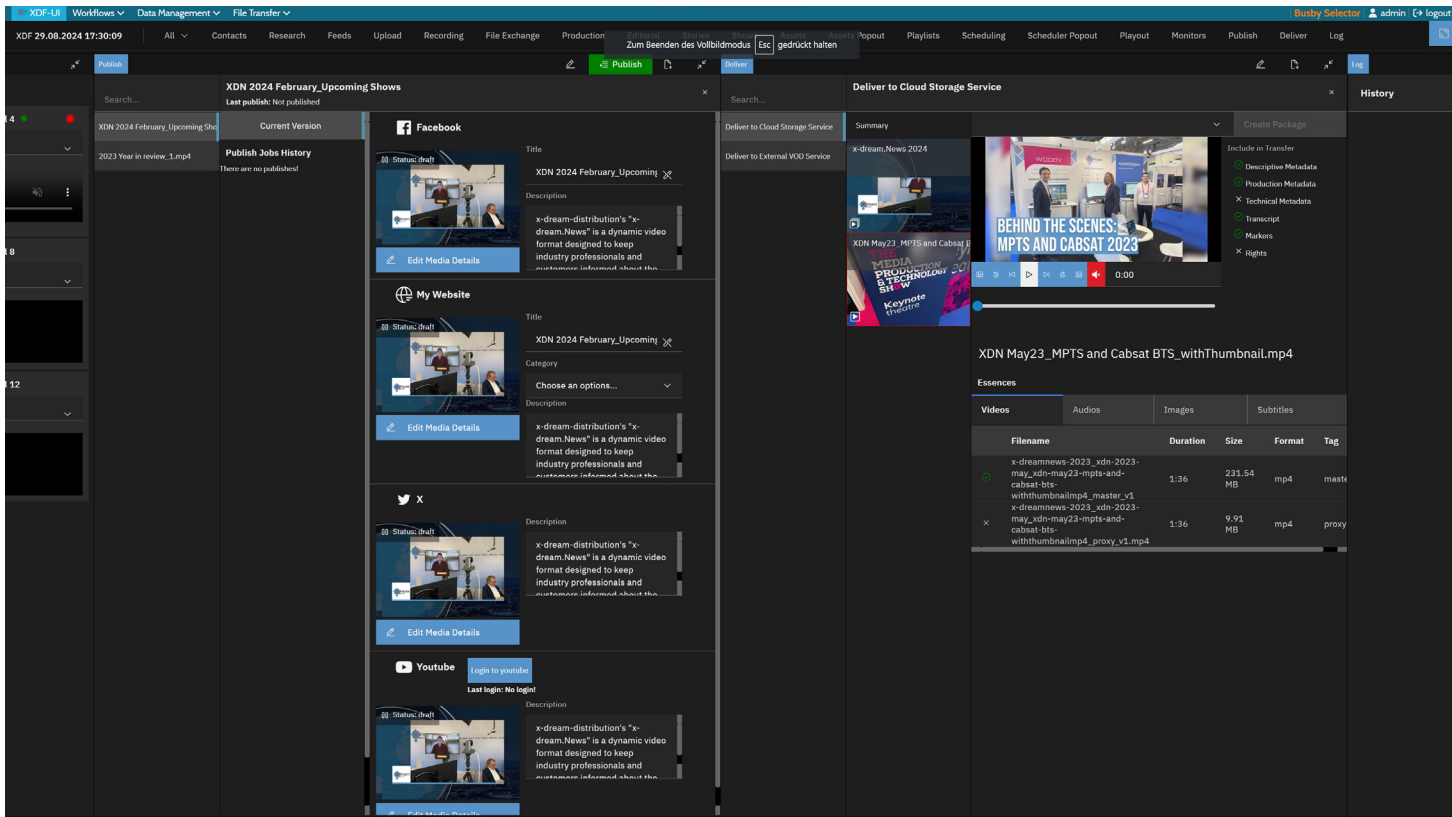


## USE CASES

- Preparing and delivering content to online video platforms as specified

- Preparing and delivering content tor social media

**PUBLISH** consists of the x-dream-Fabrik modules Upload, Archive and Publish.

It features an intuitive drag-and-drop interface with a streamlined design for focused, efficient use.

Fully integrated and pre-configured for immediate deployment, PUBLISH is scalable and redundant, built on a microservices architecture for reliability and growth.

PUBLISH streamlines your content distribution process. It handles receiving content and sending work orders, ensuring seamless aggregation of video, audio, subtitles, artwork and metadata.

It efficiently manages online video assets and prepares them according to OVP or social media specifications.

It delivers asset packages to platforms, facilitates interaction with platform users, and provides detailed usage statistics per platform, enabling informed decisions for optimal content performance.

# PUBLISH
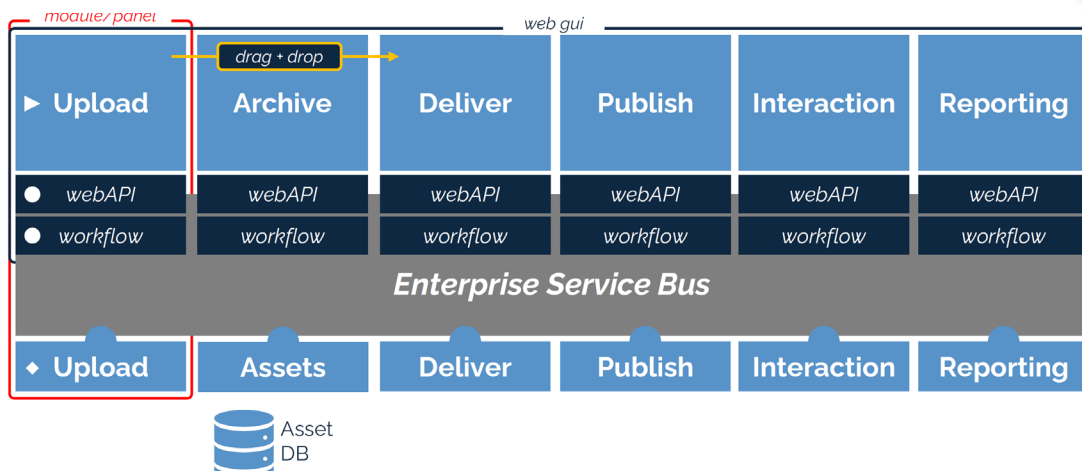


## Specifications

### Publication Package Elements

- Video essences
- Audio essences
- Subtitle essences
- Picture essences
- Title
- Description
- More descriptive metadata: structured metadata (genre, (sub) categories, creation year, release date, age rating, etc.), unstructured metadata (synopsis, directors, actors, locations, etc.).

### Available Processing Engines

- Transcoding
- Quality Control
- Transcription
- Translation

### Available Delivery Targets

- Integrated Video Portal
- Online Video Platforms
- Facebook
- X/Twitter
- Youtube
- Vimeo
- Various others

### Available Publishing Methods

Social Media platforms:

- Facebook
- X/Twitter
- Youtube
- Vimeo
- Various others

Online Video Platforms:

- Direct API integration
- File transport via sFTP
- File Catalyst
- On request: Aspera, Signiant

**Other x-dream-Fabrik products to explore ...**



PROCESS    ARCHIVE    PRODUCE    DELIVER    PLAYOUT    PROXCHANGE    NEWS

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