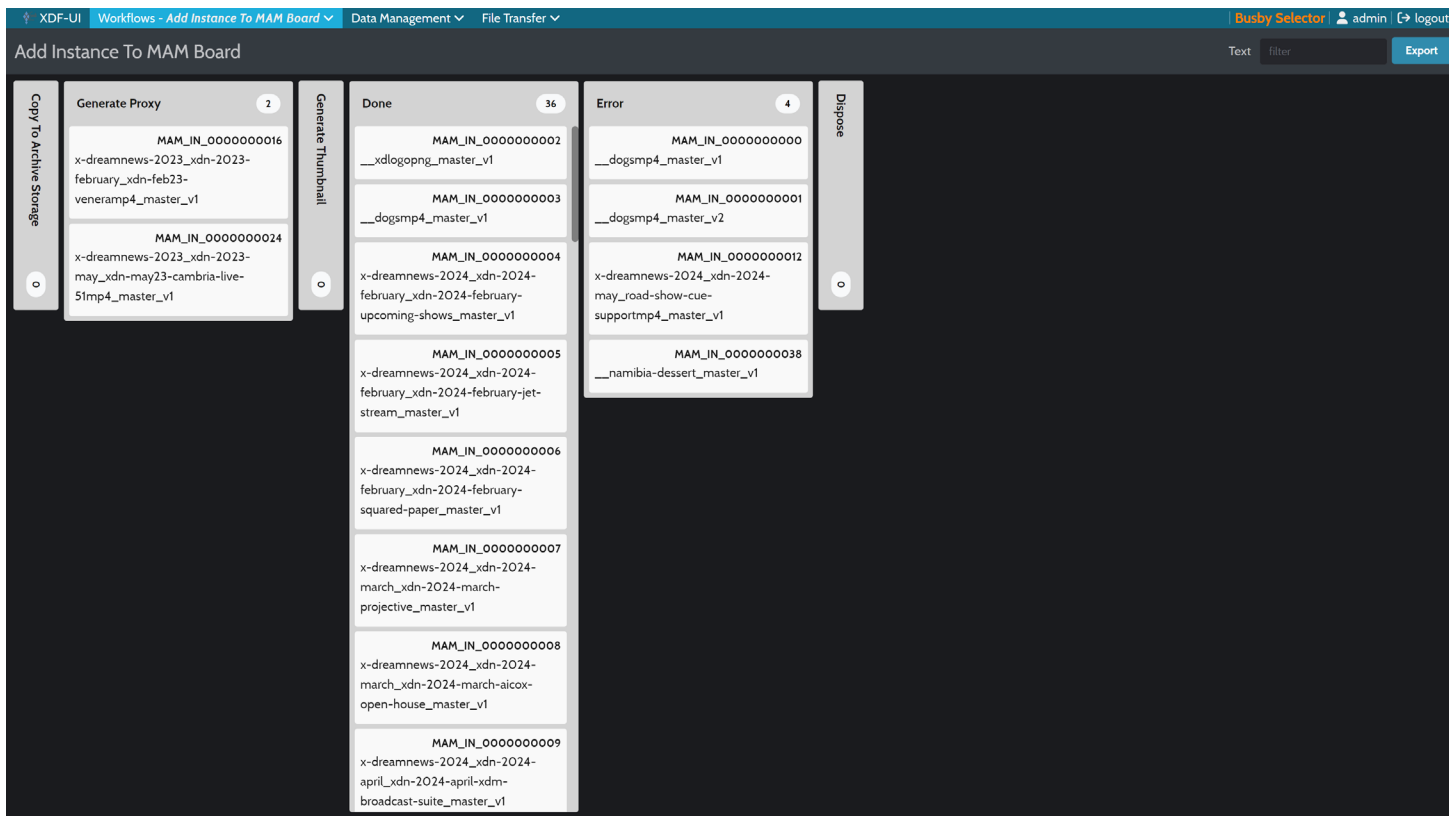# PROCESS

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

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

PROXCHANGE   ARCHIVE   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.