ARCHIVE INNOVATION

Unlock Your Archive's Potential with Advanced Archiving Tech

Presented by Jean-Christophe Kummer, NOA CEO,
during „Meet the sponsors" session at FIAT/IFTA's 2024 world conference.

NOA specializes in developing cutting-edge
innovative archiving technology

since 2000

carrier digitization and signal transfer

5.000.000+ hours of material digitized worldwide with NOA solutions

carrier management and logistics

since 2000

10.000+ carriers moved per day

file and signal quality gate

since 2016

100% of NOA customers build their workflows around quality gates

since 2000

advanced metadata management

4.000.000+ - 18.000.000 metadata items managed per installation worldwide

GERMAN ENGINEERING
& AUSTRIAN HEART

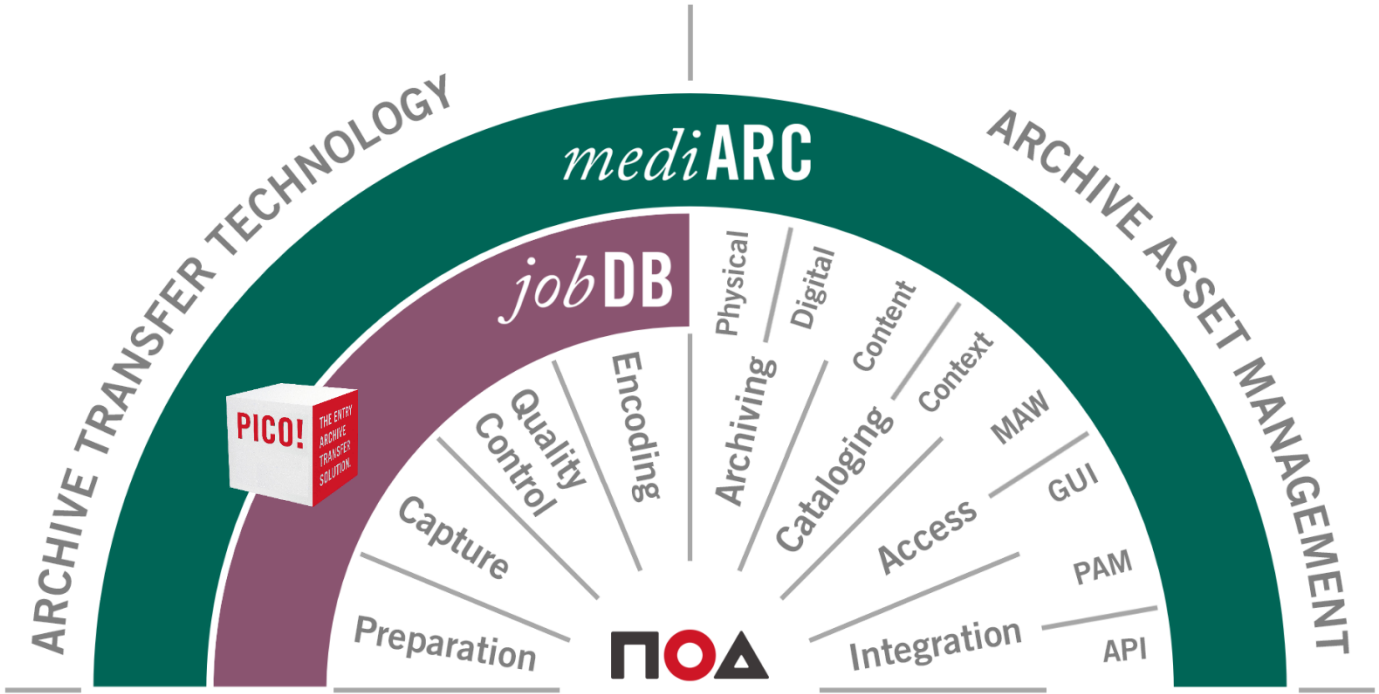
Our mission:
"To help humanity preserve & enjoy culture for eternity +1 day!"

since 2000

project and process design for clients

10.000 active users worldwide

THE PORTFOLIO



PICO

THE WORKBENCH

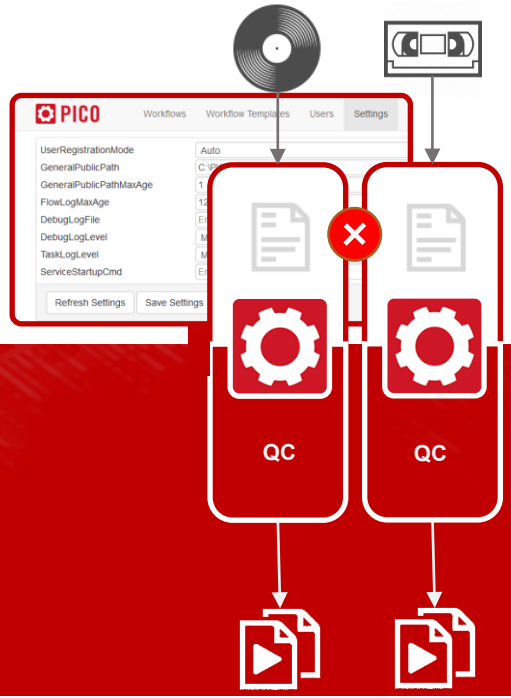
single station ingest systems for audio and video carriers

quality-oriented and task-driven approach even at small scales

customizable workflows for digitization and transcoding

ideal for ingest and processing of small carrier batches

low-cost and on-demand add-on to existing projects

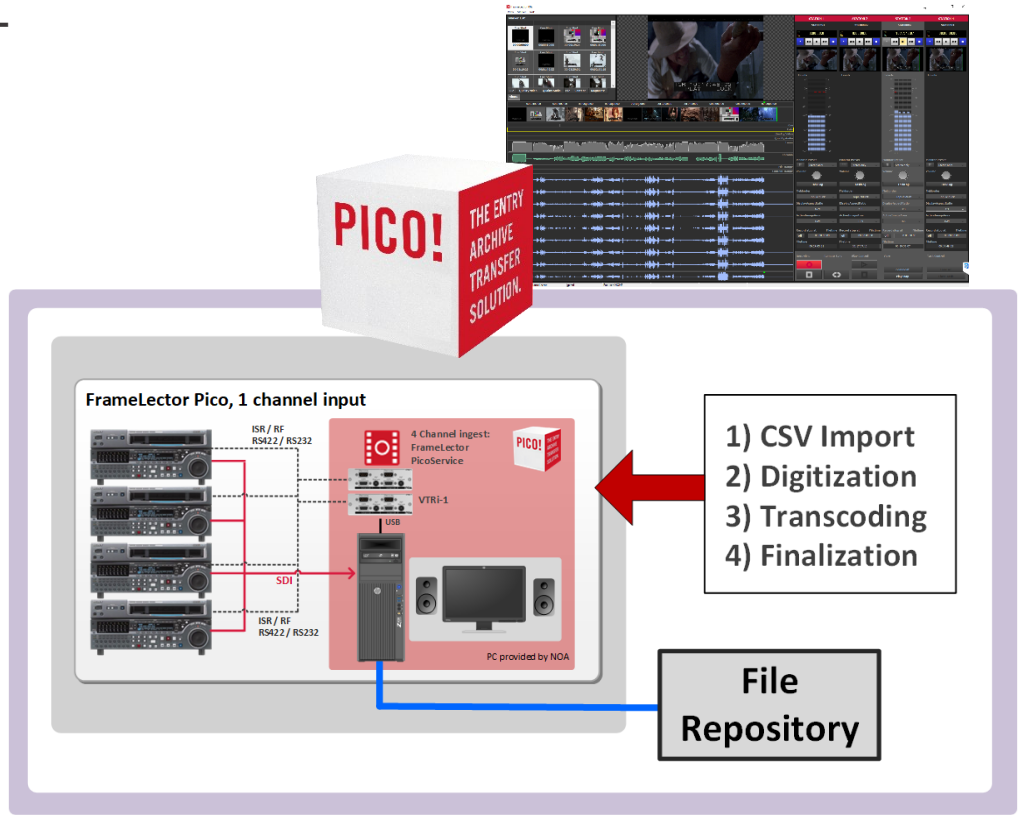


ingestLINE™ PICO

NOA FrameLector PICO any 4 VTR Machines

True Video Audio Archive Facsimile Creation – Ingest in the Corner – Single Station

- Single station ingest system – STAND ALONE
- 4 VTR Streams in parallel
- Mathematically Lossless Open Source Recording FFvHUFF, FFv1.3
- RF and ISR Read Out
- Transfer Quality Control
- Runs on COTS hardware – Software deployed system
- Small hardware interface to read out Machine Signals
- All tasks are done locally:
  - Mathematically lossless recording
  - Transcoding to IMX50, DV50, LoRes
  - Finalization

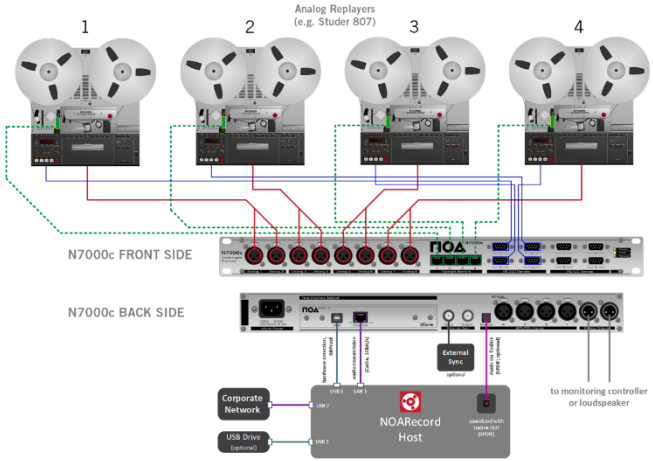


ingestLINE™ PICO

NOA Record PICO any 4 ATR Machines

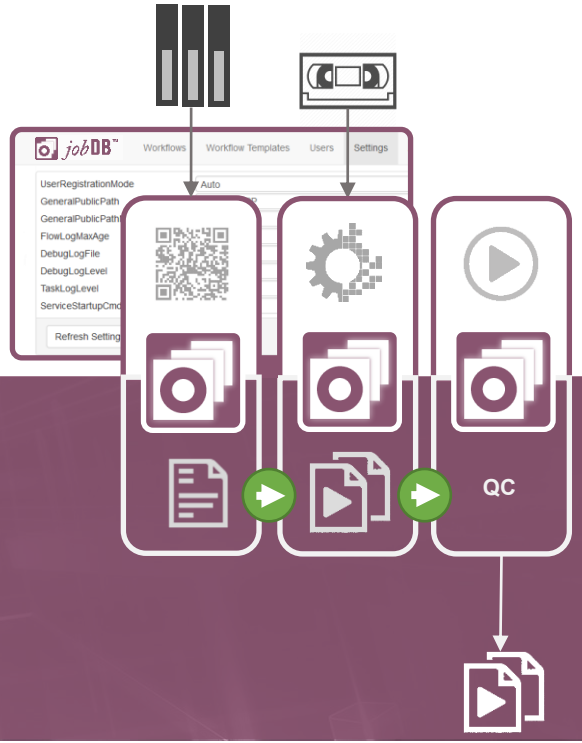
True Audio Archive Facsimile Creation – Ingest in the Corner

- Single station ingest system – STAND ALONE
- BWF EBU3285 – 96/24 archive file creation
- FOUR simultaneous streams
- BitProof™ guarantees authentic facsimile
- Various historic de-emphasis filter curves
- N7000c ADC with >122dB Dynamic
- Individual workflow templates
- Individual finalization scenarios with easy connection to 3rd party tools
- Easy to set up, easy to use
- Low entry hurdle
- Upgradeable to a digitization facility!



jobDB™

THE FACTORY



workflow system for large-scale audio and video digitization projects

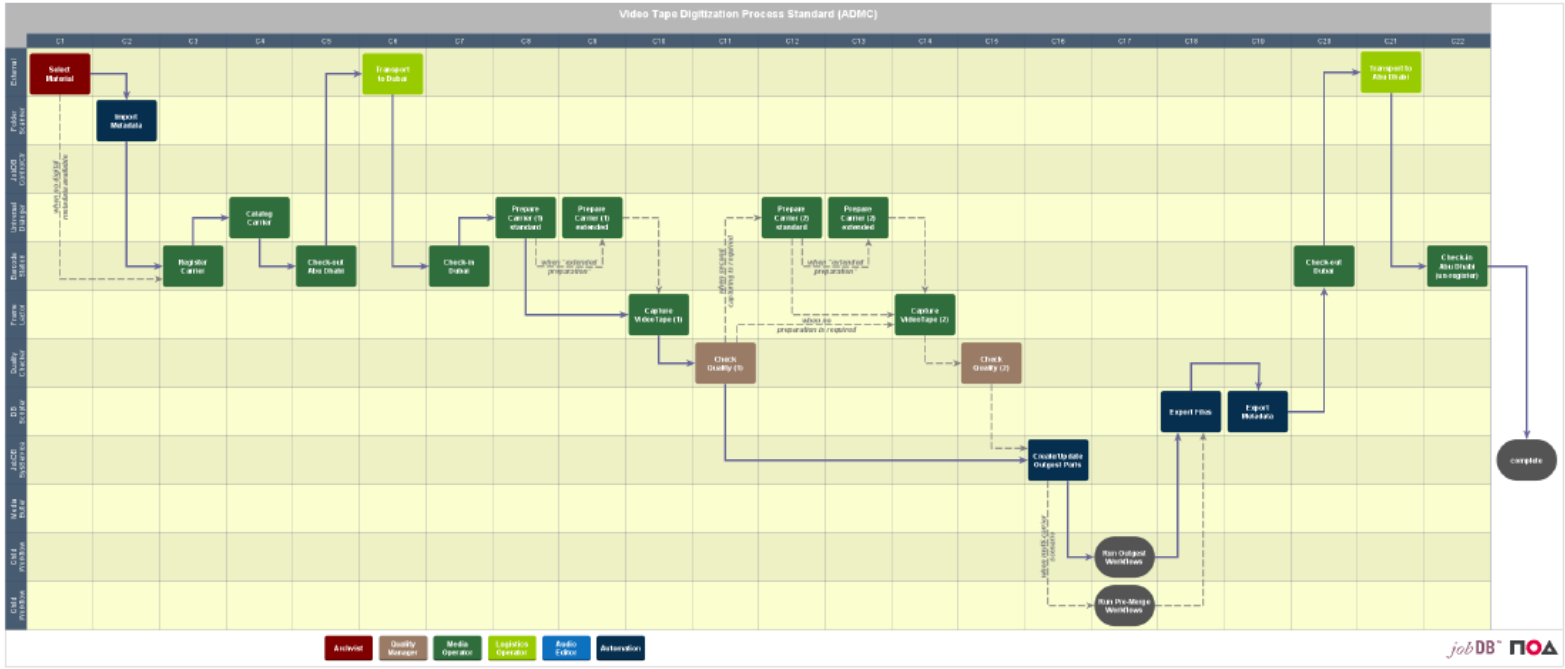
collaborative workflows for high-efficiency, high-throughput setups

inventory, carrier logistics, digitization, quality control, simple annotation, delivery to MAM systems

wide range of professional tools to drive logistics, digitize carriers, process media files, verify quality, and much more

seamless API integration with 3rd party archive ecosystems and MAMs

Ingest Workflow



Ingest Workflow

ORF & Atos

National Broadcaster, Austria

ORF

600,000 carriers
Advanced logistics
4 levels of QC
Destruction of tapes

Yle

National Broadcaster, Finland

110,000 carriers
Special workflows for analog captures
Satellite capture workstation in regions
IP based processing

TV2 Denmark

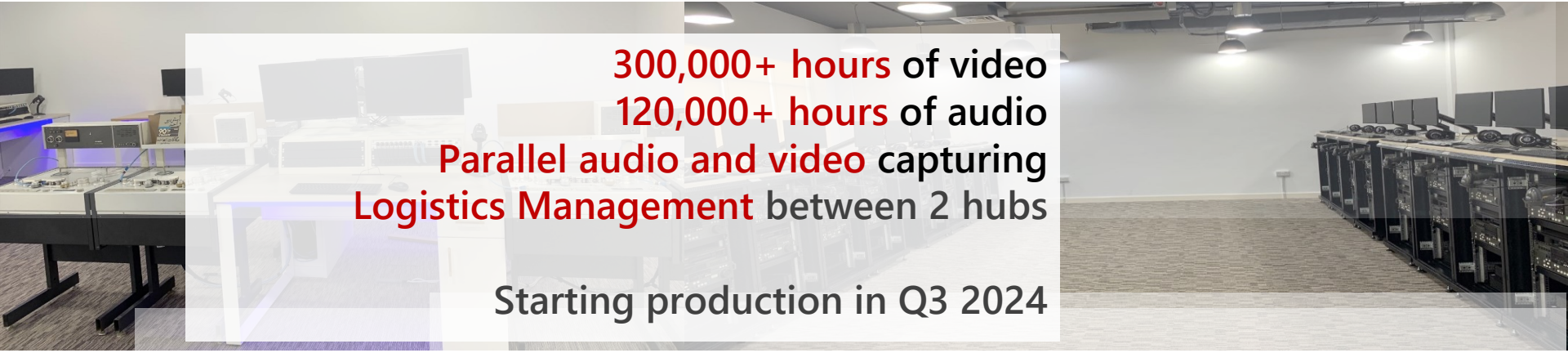
Public Broadcaster, Denmark

60,000 carriers
Special workflows for analog captures
Start: Q4/2024
IP based processing

NOA develops archiving products and services
for a wide variety of business domains

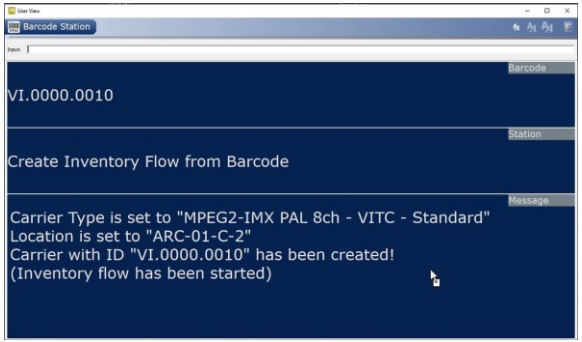
ADMC

National Broadcaster, Abu Dhabi, UAE



300,000+ hours of video
120,000+ hours of audio
Parallel audio and video capturing
Logistics Management between 2 hubs

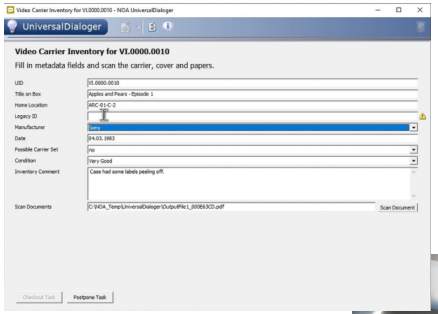
Starting production in Q3 2024



Inventory and Logistics Handling

Inventory with NOA UniversalDialoger

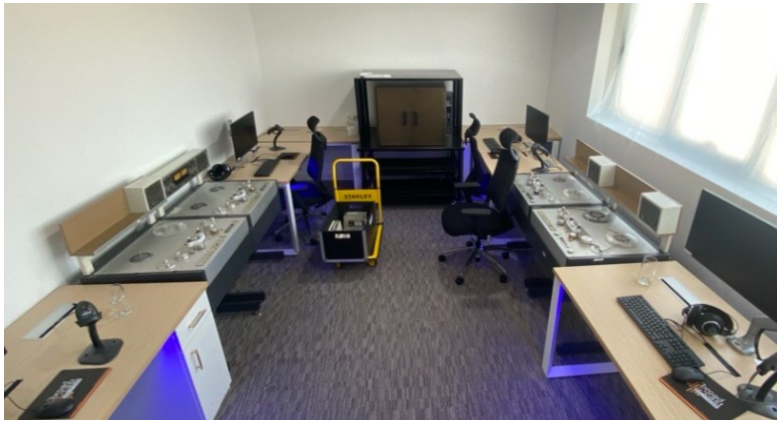
- Unambiguous labeling
- Simple metadata capturing
- Scanning of tandem materials
- First inspection (mold, dirt, etc.)

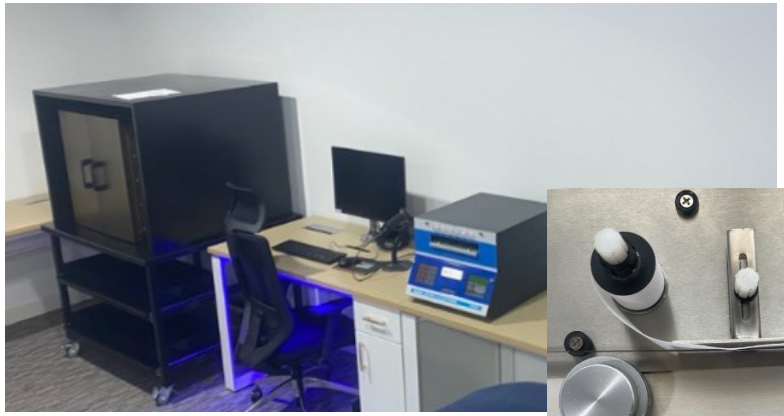


Logistics with NOA BarcodeStation

- Preparing batches to be sent to preservation factory in Dubai
- Grouping batches and combining to large batches
- Archive check out in Abu Dhabi
- Transport
- Check-in at Dubai preservation factory

Audio& Video Preparation Workstations

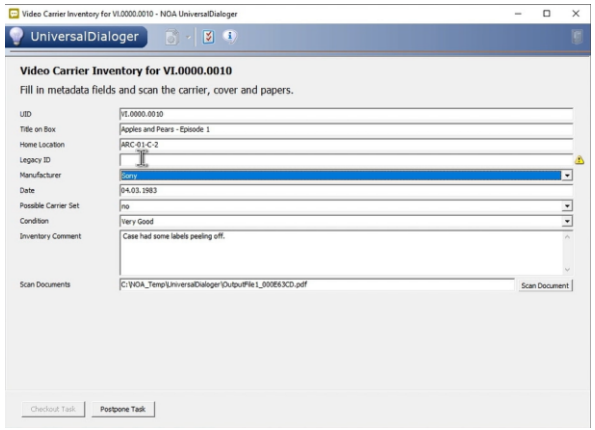




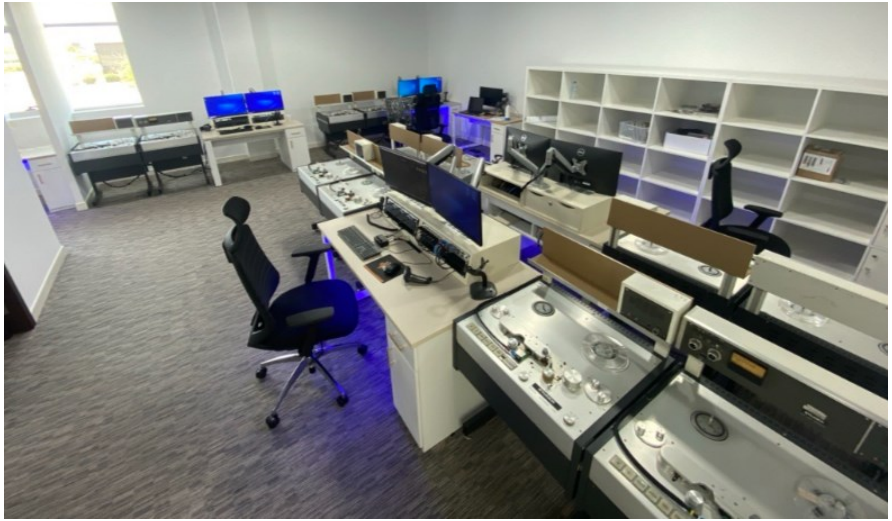
PREPARATION with
NOA UniversalDialoger

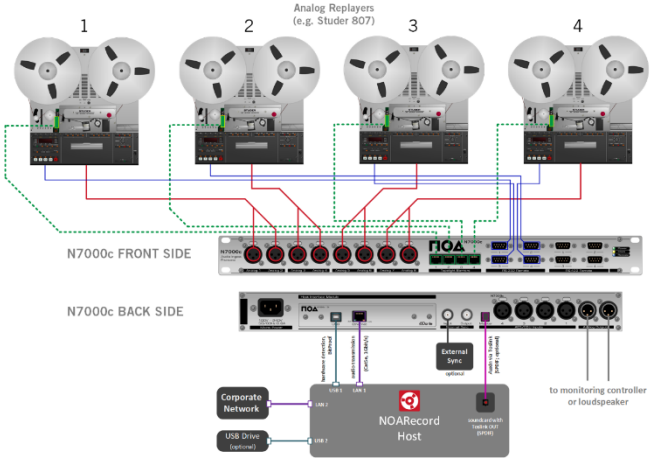
Audio:
- Mold and debris cleaning
- Baking
- Multi winding to reduce print through effect
- Adding leader tape
- Repairing splices
- All steps logged with NOA UniversalDialoger

Video:
- Baking
- Cleaning with different



Ingest Audio Area

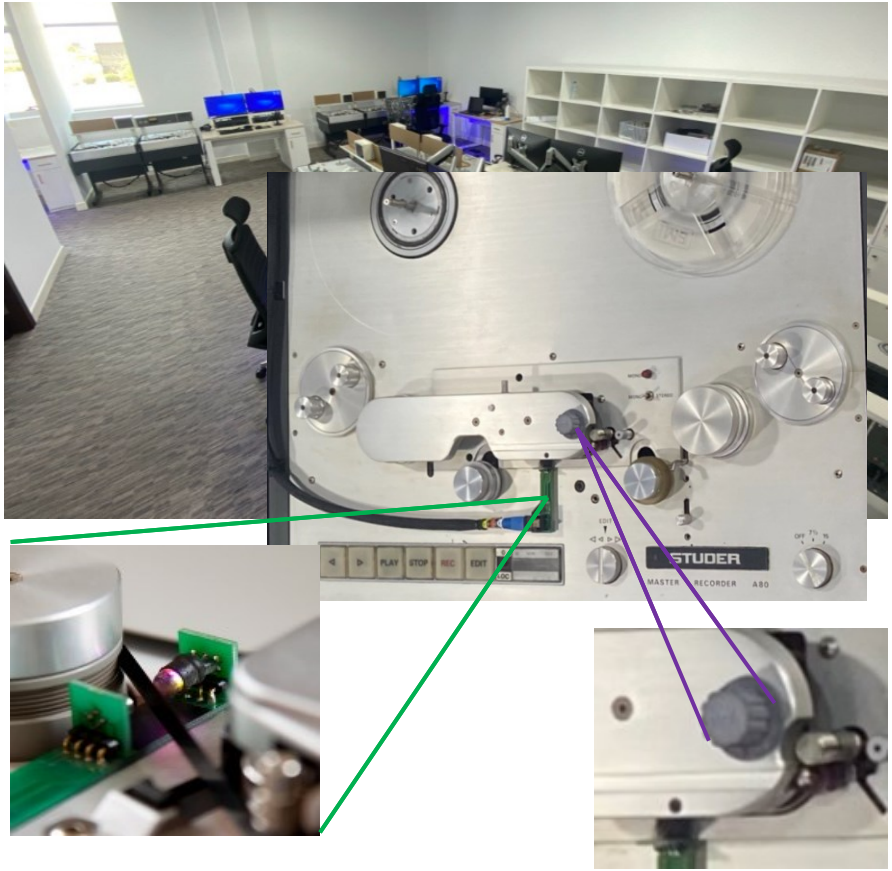


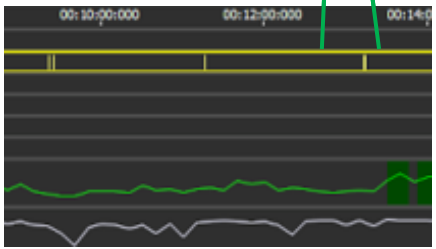


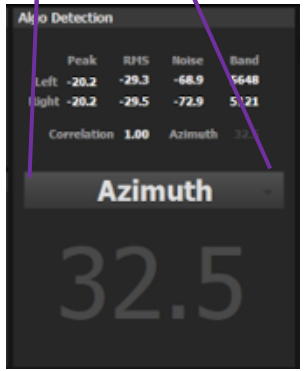
Ingest Audio with NOARecord

- Monitoring of all transfer relevant quality parameters
- Bandwidth, azimuth, correlation, tape condition, clicks, mutes, silence, etc.
- Indication of problematic areas

Ingest Audio Area







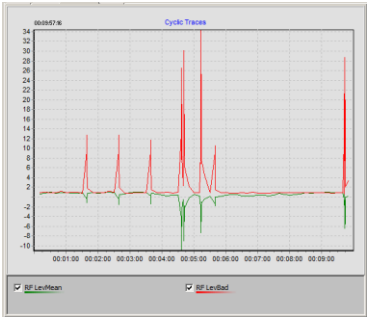
Ingest Video Area

Ingest Video with NOA FrameLector

- 1-2 channels of SD-video transfer (8ch audio)
- Automatic shot detection
- VTR remote control
- Mathematically lossless working format
- Transfer quality control:
  - RF traces & ISR events logging

Time	Value	EventType	Description
00:00:07:07	4	Quality.Condition.Video	10:02:01:09
00:00:08:03	4	Quality.Condition.Audio	10:02:02:05
00:00:08:17	4	Quality.Condition.Video	10:02:02:19
00:00:32:00	4	Quality.Condition.Video	10:02:26:02
00:06:07:15	4	Quality.Condition.Video	10:08:00:21

Cue | Shots | Quality | Diagnostic | Notes



Quality Check
Video and Audio

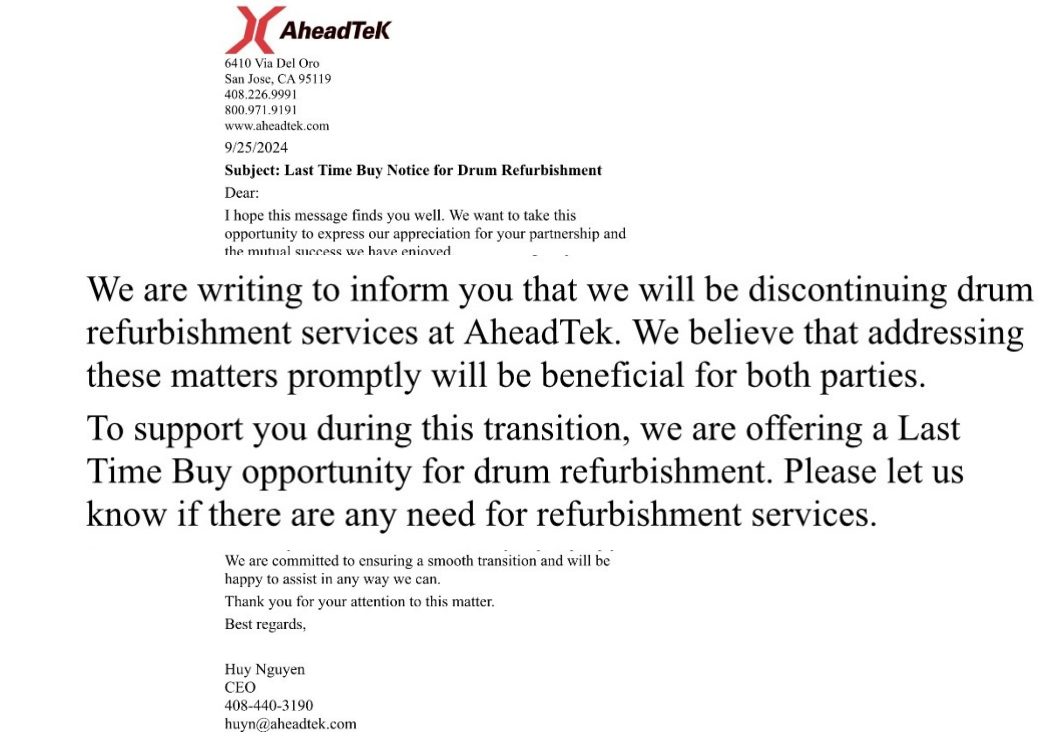
48 parallel ingest lines

- Ask for 4 eye principle
- NOA quality analysis allows to validate in 20-60 secs each recording regarding
  - Matching content
  - Relevant transfer quality parameters (RF, bandwidth, cuts, etc.)
  - Lip sync
  - Undiscovered footage

Resources for NOA clients

2025
The End of Saving Your Archive?

Yes. For some formats for sure



AheadTeK

6410 Via Del Oro
San Jose, CA 95119
408.226.9991
800.971.9191
www.aheadtek.com

9/25/2024

Subject: Last Time Buy Notice for Drum Refurbishment

Dear:

I hope this message finds you well. We want to take this opportunity to express our appreciation for your partnership and the mutual success we have enjoyed

We are writing to inform you that we will be discontinuing drum refurbishment services at AheadTek. We believe that addressing these matters promptly will be beneficial for both parties.

To support you during this transition, we are offering a Last Time Buy opportunity for drum refurbishment. Please let us know if there are any need for refurbishment services.

We are committed to ensuring a smooth transition and will be happy to assist in any way we can.

Thank you for your attention to this matter.

Best regards,

Huy Nguyen
CEO
408-440-3190
huyn@aheadtek.com

Obsolency

- AheadTek announces last call for drum refurbishments.
- Umatic, 1”B at highest risks (not enough machines there)

Still working a few years:

- Betacam
- DigiBeta
- DV –

What will always be possible:

- Film
- Sound (HiFi 1/4“ market growing)

mediARC™

THE ARCHIVE

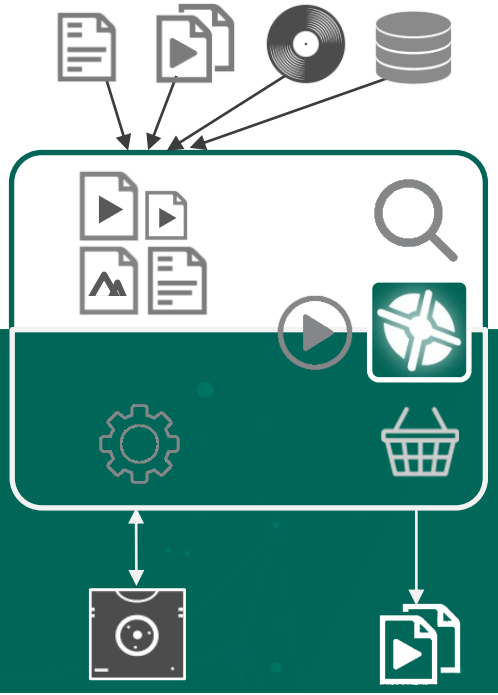
state-of-the art archive asset management system for archives of all shapes and sizes

long-term preservation of audio and video content inside a purpose-built archive system

hi-end metadata management inside a fully customizable relational database

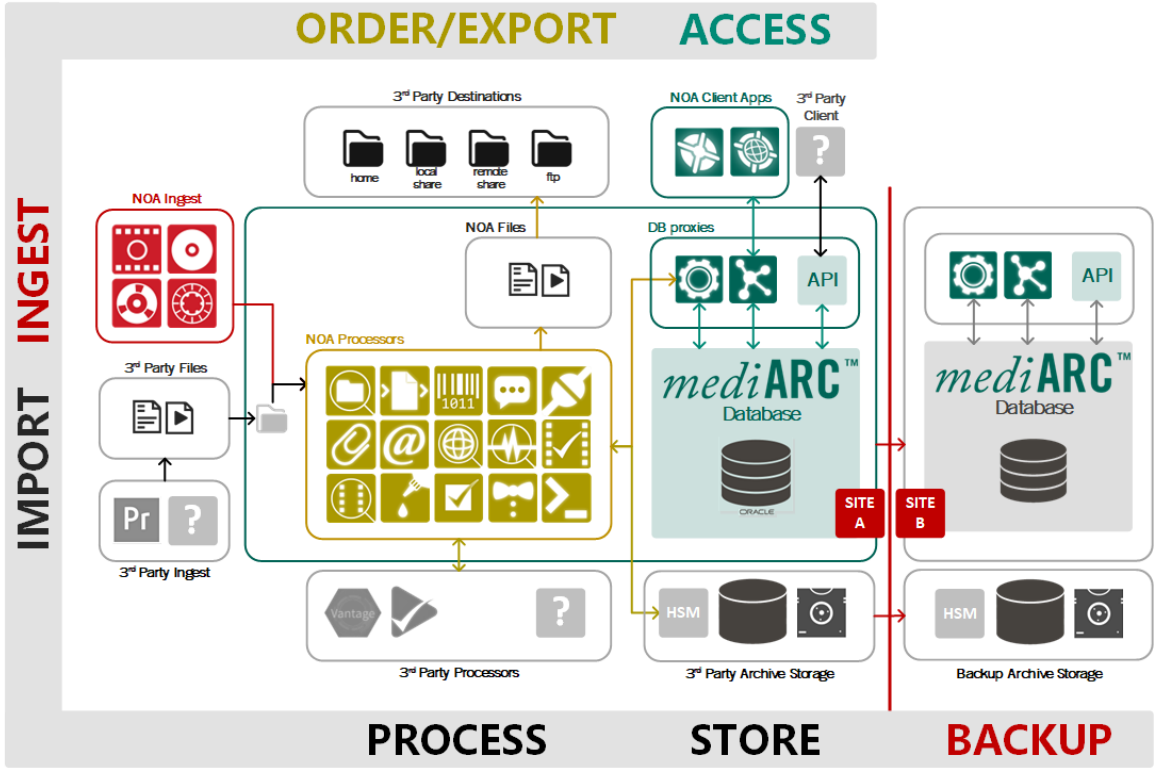
heavy-duty workflow engine for efficient business process automation far beyond file handling

seamless integration with 3rd party production systems and storage solutions



mediARC™

Asset Management



VRT

National Broadcaster, Belgium

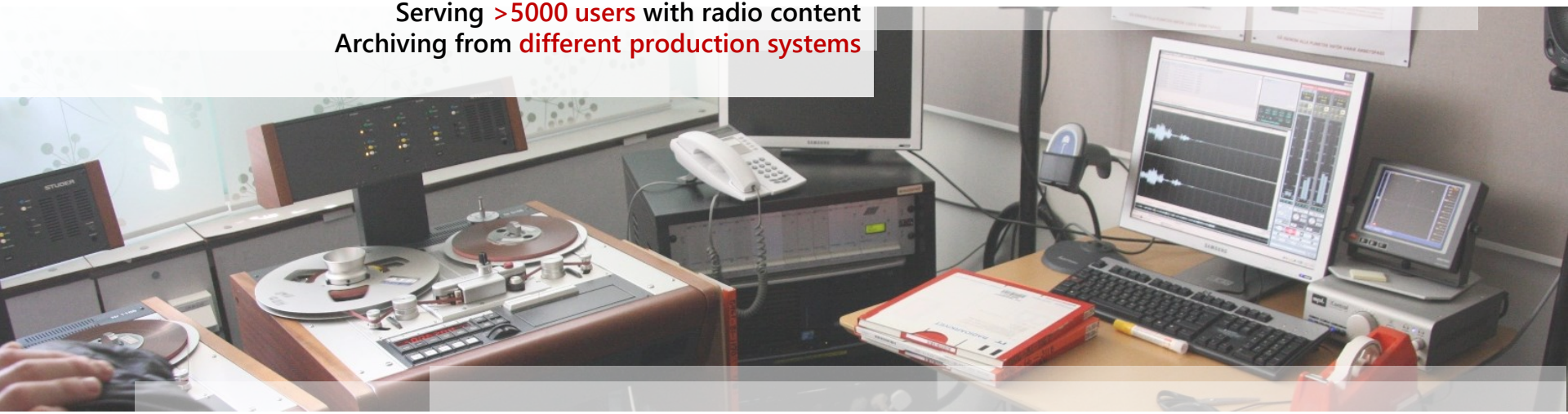
Music library archive
Serving **different productions systems**
Inhouse digitization of CD and cataloguing

Sverige Radio

Public Broadcaster, Sweden

sverigeSRradio

220.000 audio carriers inhouse digitization
Serving **>5000 users** with radio content
Archiving from **different production systems**



RTV

National Broadcaster, Slovenia

RADIO TELEVIZIJA SLOVENIJA

80,000+ hours of video
Parallel audio and video capturing
600 users accessing mediARC
2000 workflows per day
2 regional stations

Radio Television Montenegro

Public Broadcaster, Montenegro

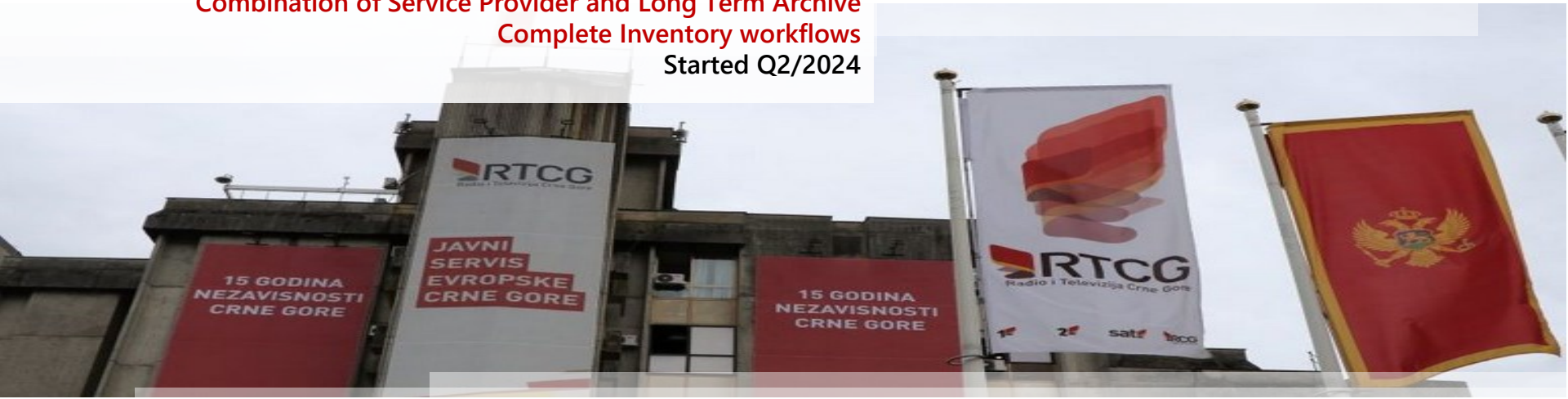
RTCG
Radio i Televizija Crne Gore

80,000+ hours

Combination of Service Provider and Long Term Archive

Complete Inventory workflows

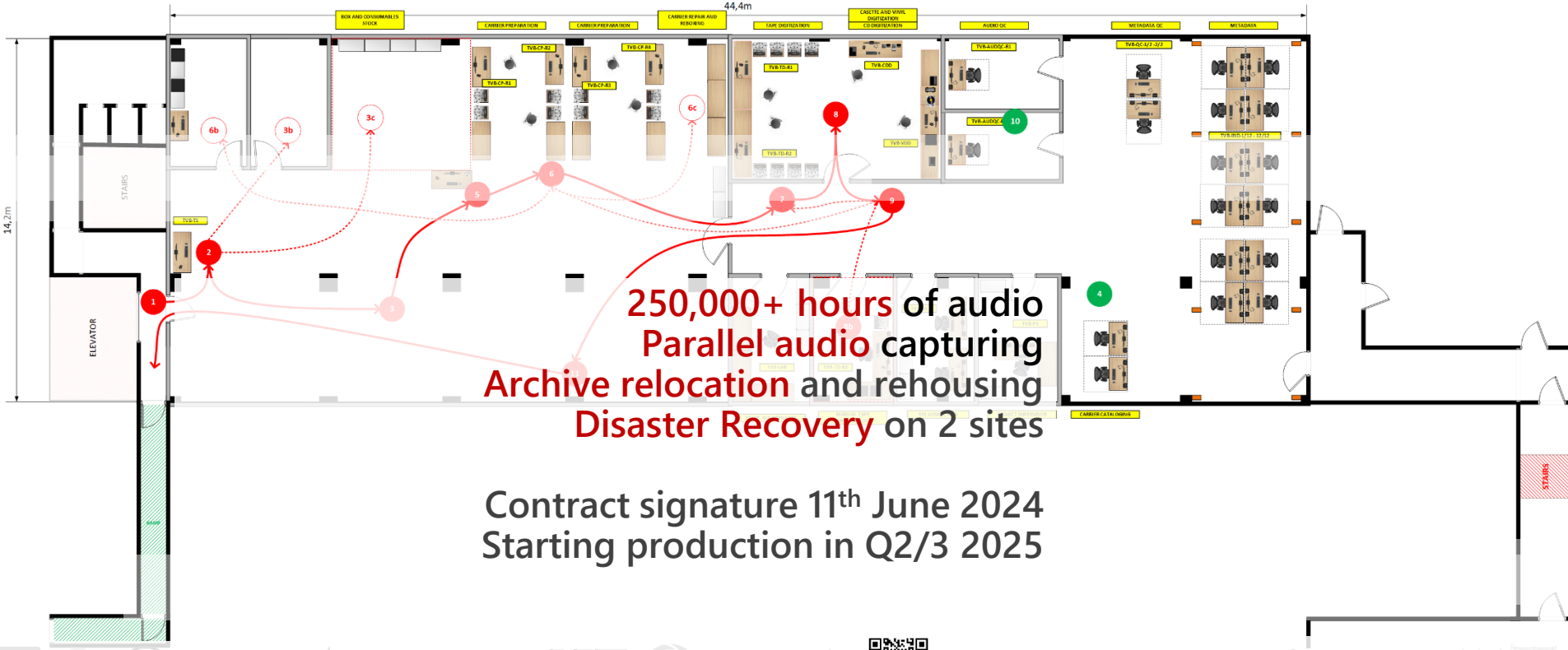
Started Q2/2024



NOA develops archiving products and services
for a wide variety of business domains

Kuwait Radio

Kuwait City, Ministry of Information,



250,000+ hours of audio
Parallel audio capturing
Archive relocation and rehousing
Disaster Recovery on 2 sites

Contract signature 11th June 2024
Starting production in Q2/3 2025

Thank you for your attention!

Jean-Christophe Kummer
c.kummer@noa-archive.com

www.noa-archive.com