IBC2023

Gallery Agnostic
Live Media Production

#IBC2023 #ACCELERATORS2023

IBC2023

Gallery Agnostic Live Media Production

Saturday 16th September

10:45-11:45

JON ROBERTS

Director of Technology, Production & Innovation
ITN

AARON NUYTEMANS

Head of Partnerships
TINKERLIST

MORTON BRANDSTRUP

Head of News Technology
TV2

RUSSELL TRAFFORD-JONES

Communications Manager
TECHEX

MODERATOR

MUKI KULHAN

Innovation Co-Lead
IBC ACCELERATORS

Associate sponsors: AMD Microsoft

Media partner: IBC 365

CHALLENGE PROPOSAL

Today: sprawling technical estates everywhere.

Everyone is becoming more **MULTI-VENDOR**…
…and using both **ON PREM** and **CLOUD** devices.

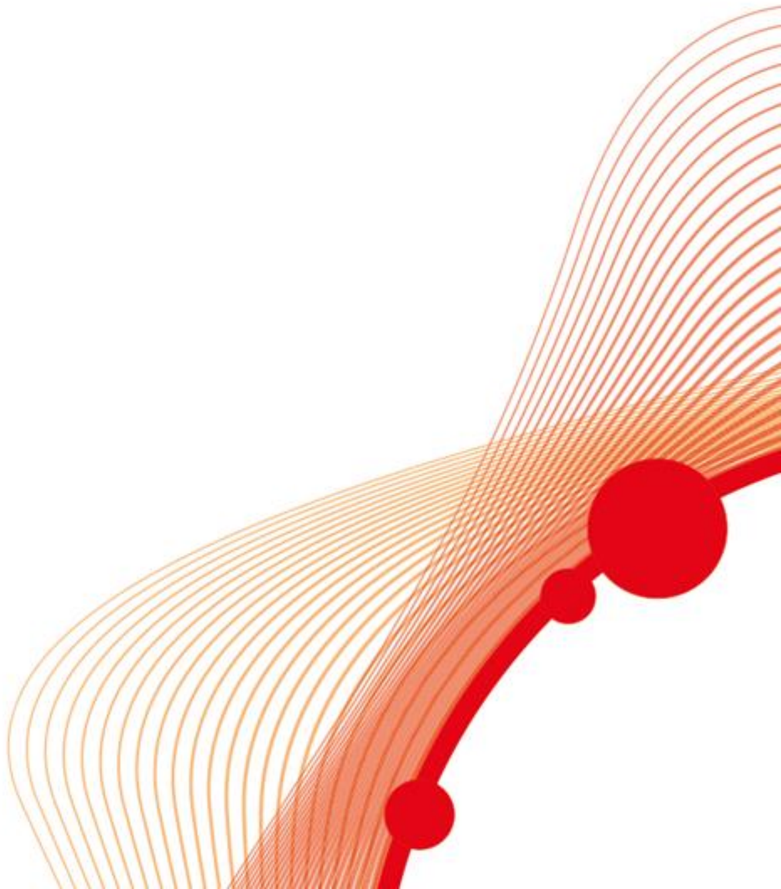
So… let's make LIVE PRODUCTION…

Device Agnostic

Gallery Agnostic

Hybrid

For News, Sports, Entertainment, Events, eSports…



CHALLENGE PROPOSAL

IBC ACCELERATOR POC

- How to create **commonality** among **workflows**?
  (and multi-vendor, multi-format tech stacks)
- Does the traditional NRCS + MOS approach still cut it?
- What workflow at the center? The Rundown?
- Workflow should be Hybrid: prove control of both (existing) **on prem** and **cloud** devices

IBC2023

Champions:

yle

ITN

TALK TV

TRANSMIXR

TV2 Danmark

BBC

Participants:

TINKERLIST

ZIXI

techex.

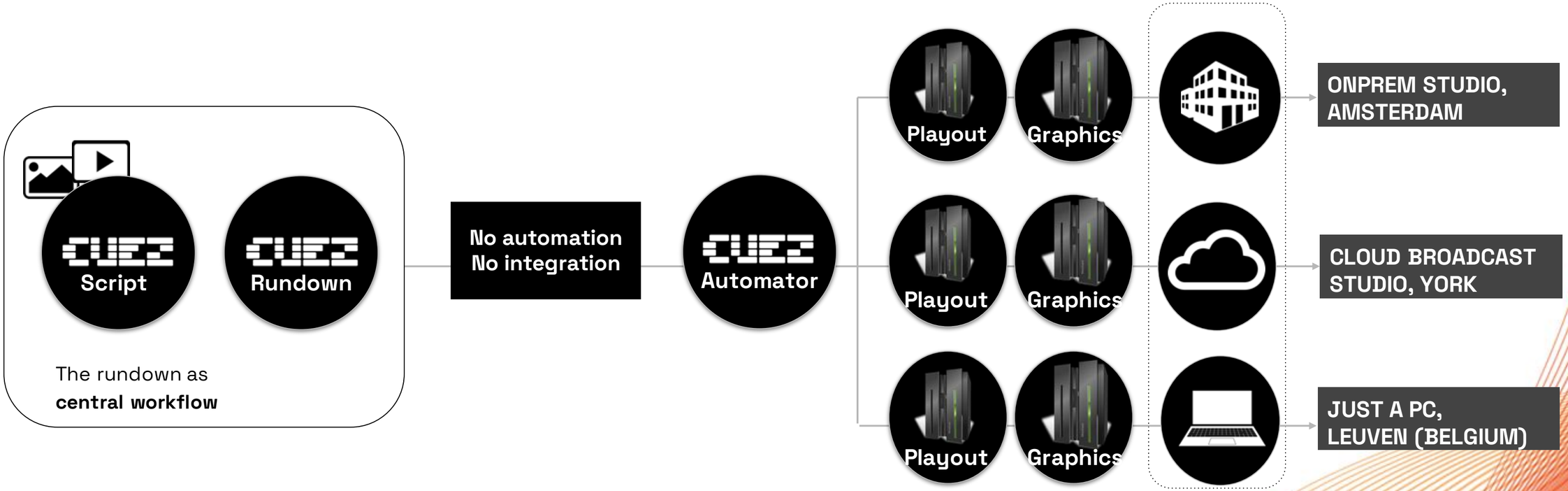
SINGULAR.LIVE

Grass Valley
WE LOVE LIVE

Associate sponsors: AMD Microsoft

Media partner: IBC 365

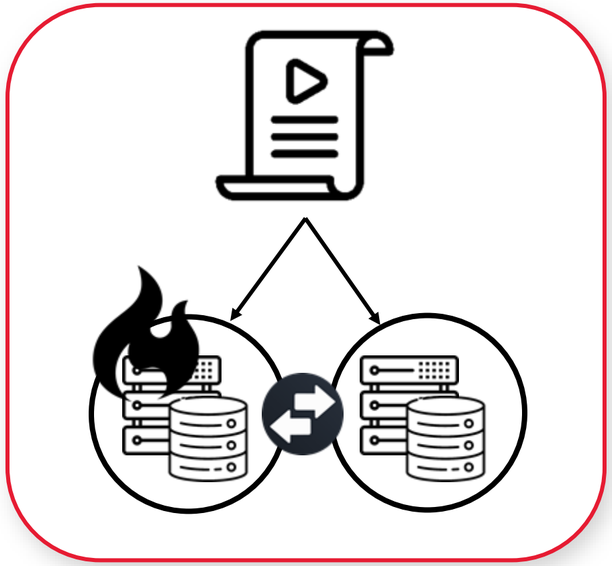
Let’s delve under the hood



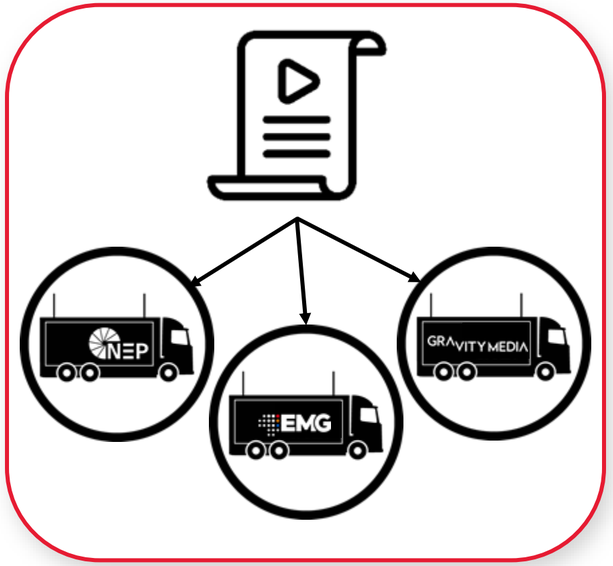
Workflow = Rundown = Automation System.
Re-imagining the traditional NRCS.

USE-CASES & APPLICATIONS

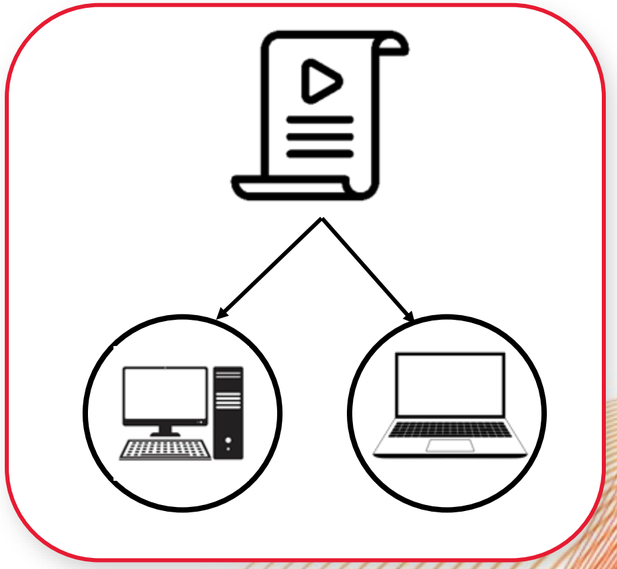
disaster recovery



switching OB provider

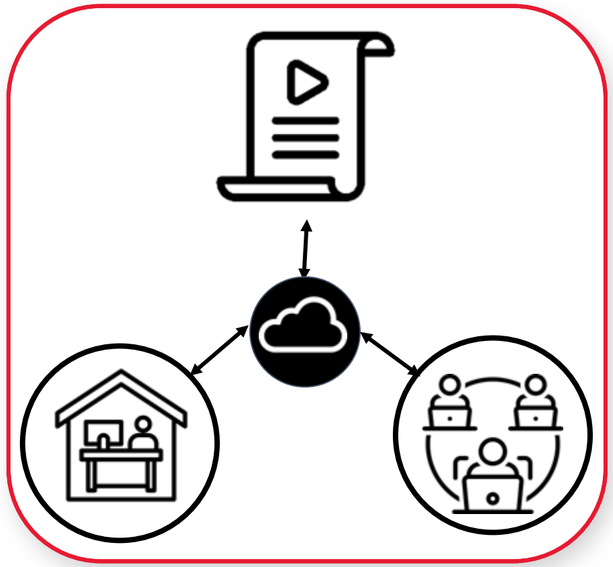


control room on a (portable) device



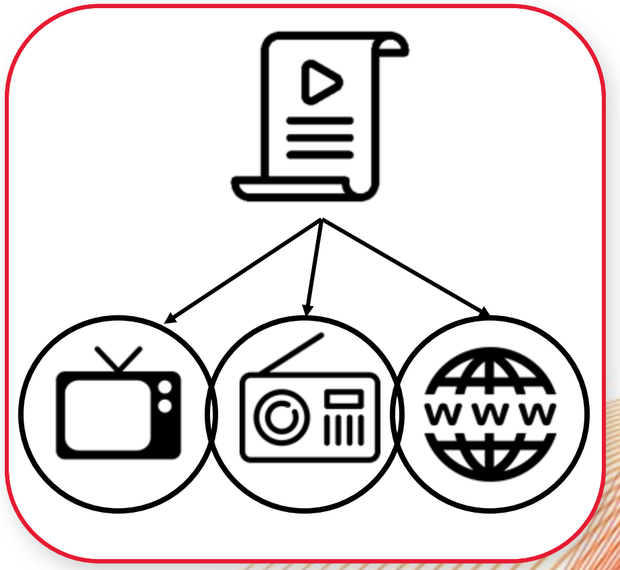
USE-CASES & APPLICATIONS

enabling remote working



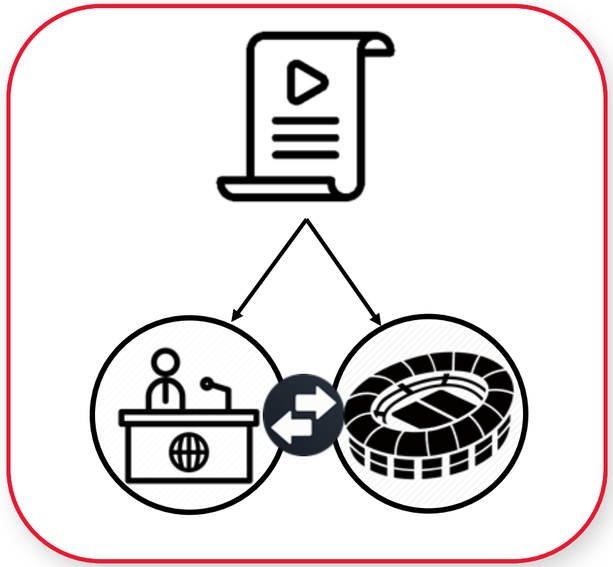
gradual switch on-prem to cloud

universal control room

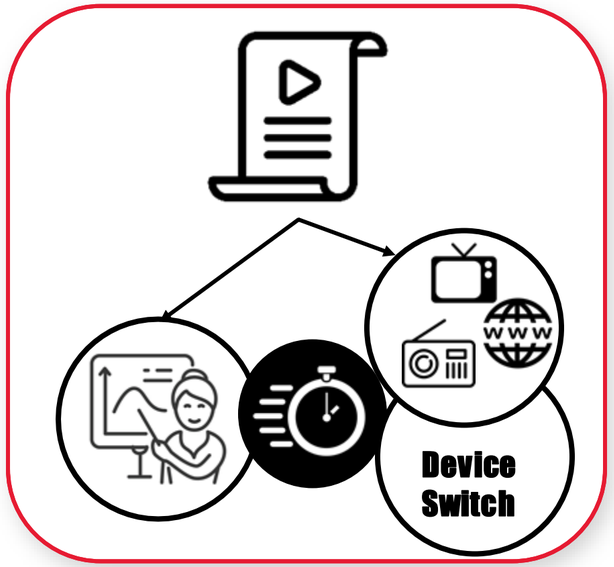


USE-CASES & APPLICATIONS

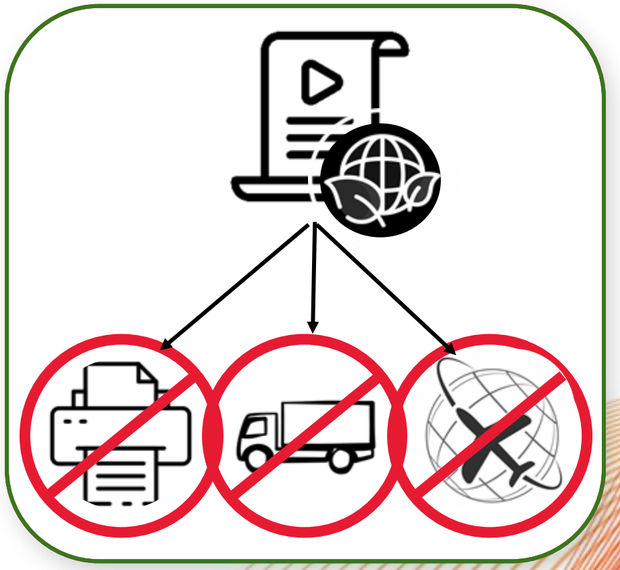
switch to secondary studio



easy training and…
adapting to tech stacks or new tools

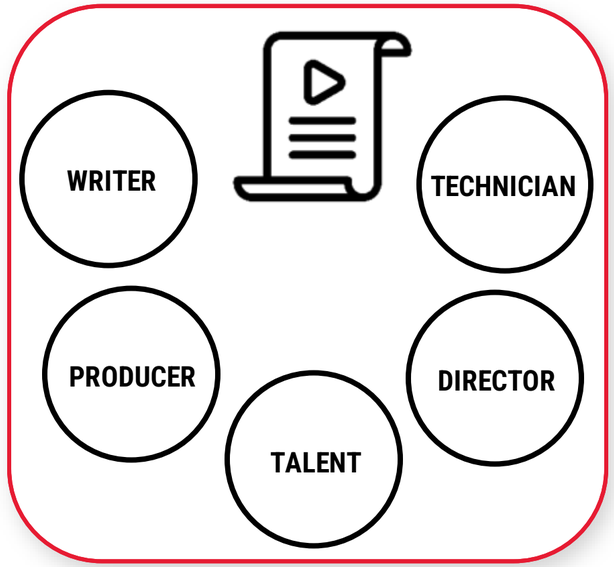


sustainability benefits



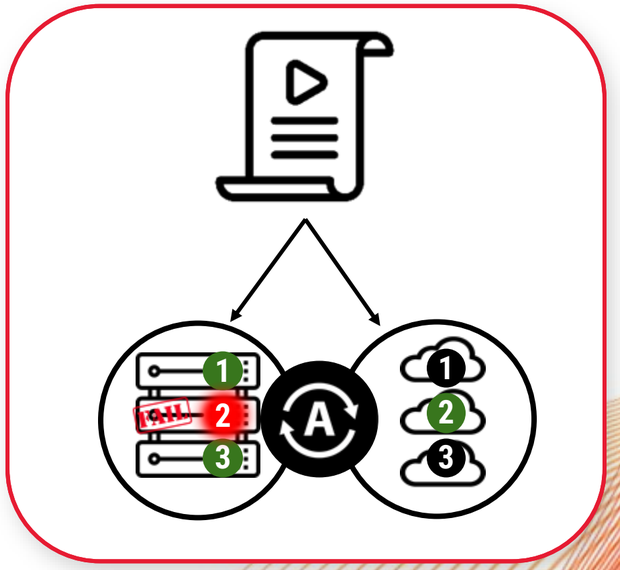
USE-CASES & APPLICATIONS

same workflow, no matter the role



accessibility & inclusion

automatic failover



VIDEO AUTOMATIC FAILOVER

Automatic Failover Test | VT FAILOVER | GFX FAILOVER | CLEAR

1

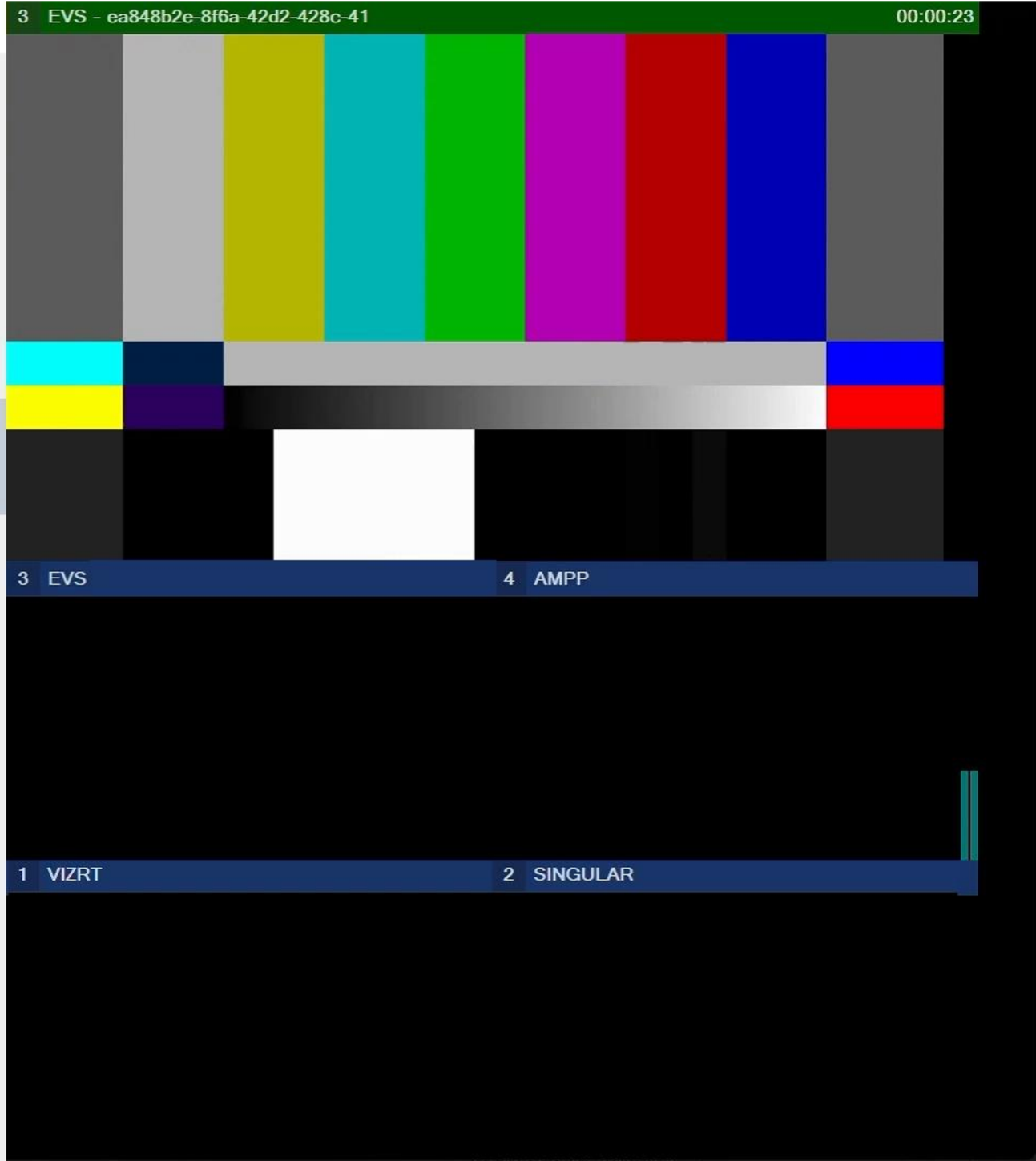
1 ITEM 1 Opening

1.1 CLIP Test Clip

1.2 STRAP Wildfire in Hawaii

1.3 CLIP Test Clip 2

1.4 STRAP Nick Thomas-Symond



SUSTAINABILITY

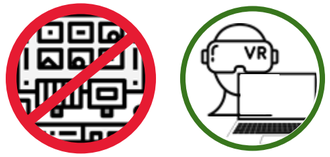
paperless production

no hardware dependency

remote production

pay what you use

gallery = laptop/VR glasses



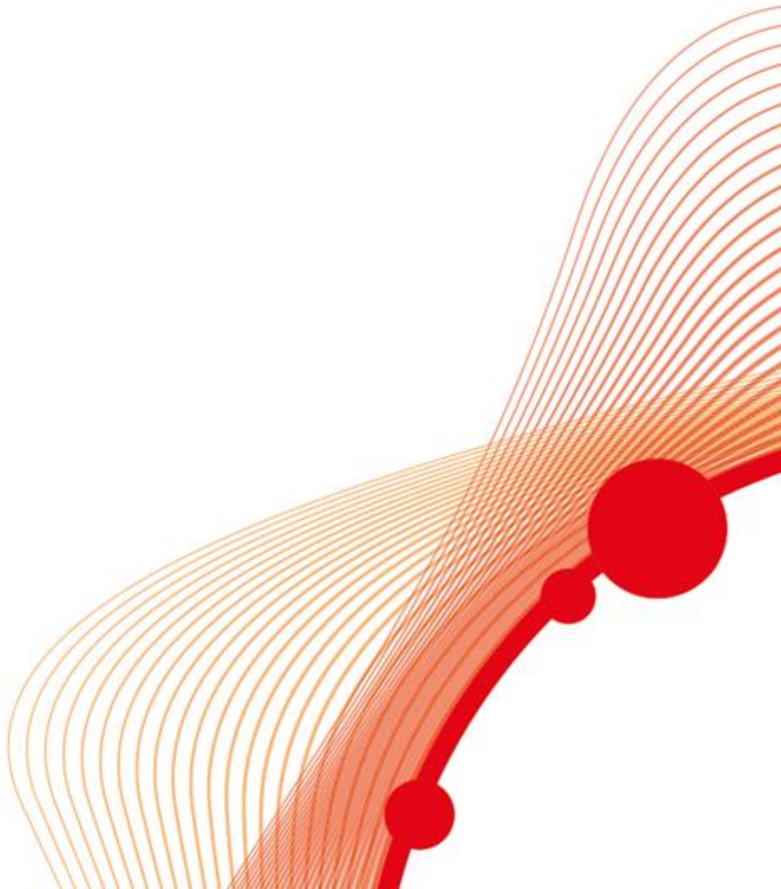
move to the cloud

circular economy

SUSTAINABILITY

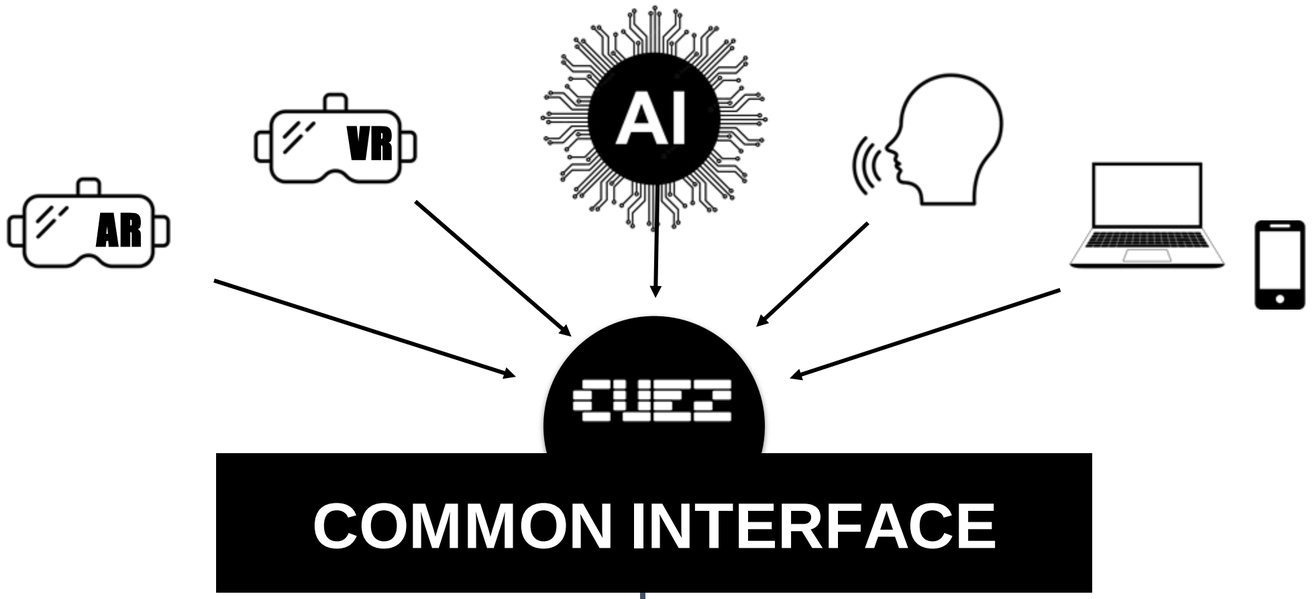
Important:

How do we quantify the savings of these sustainability topics?

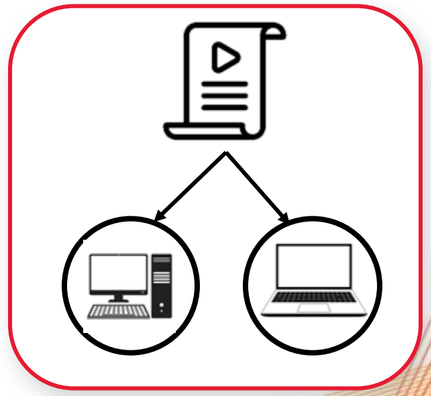


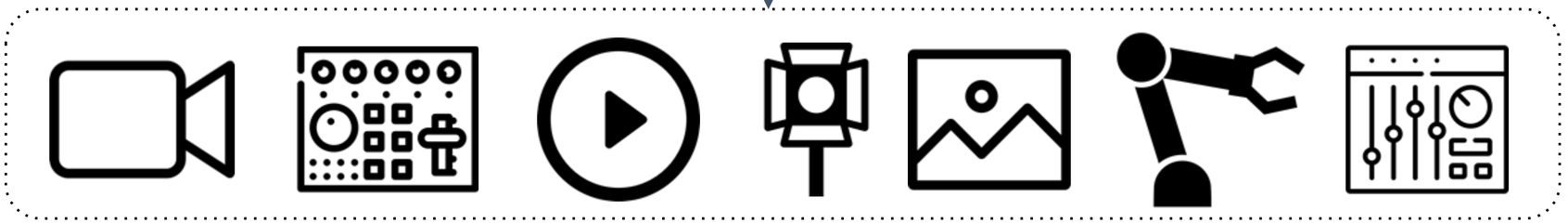
Shout-out to the IBC Accelerator Project "Connect & Produce Anywhere!"

INTERFACE POINT



control room on a (portable) device



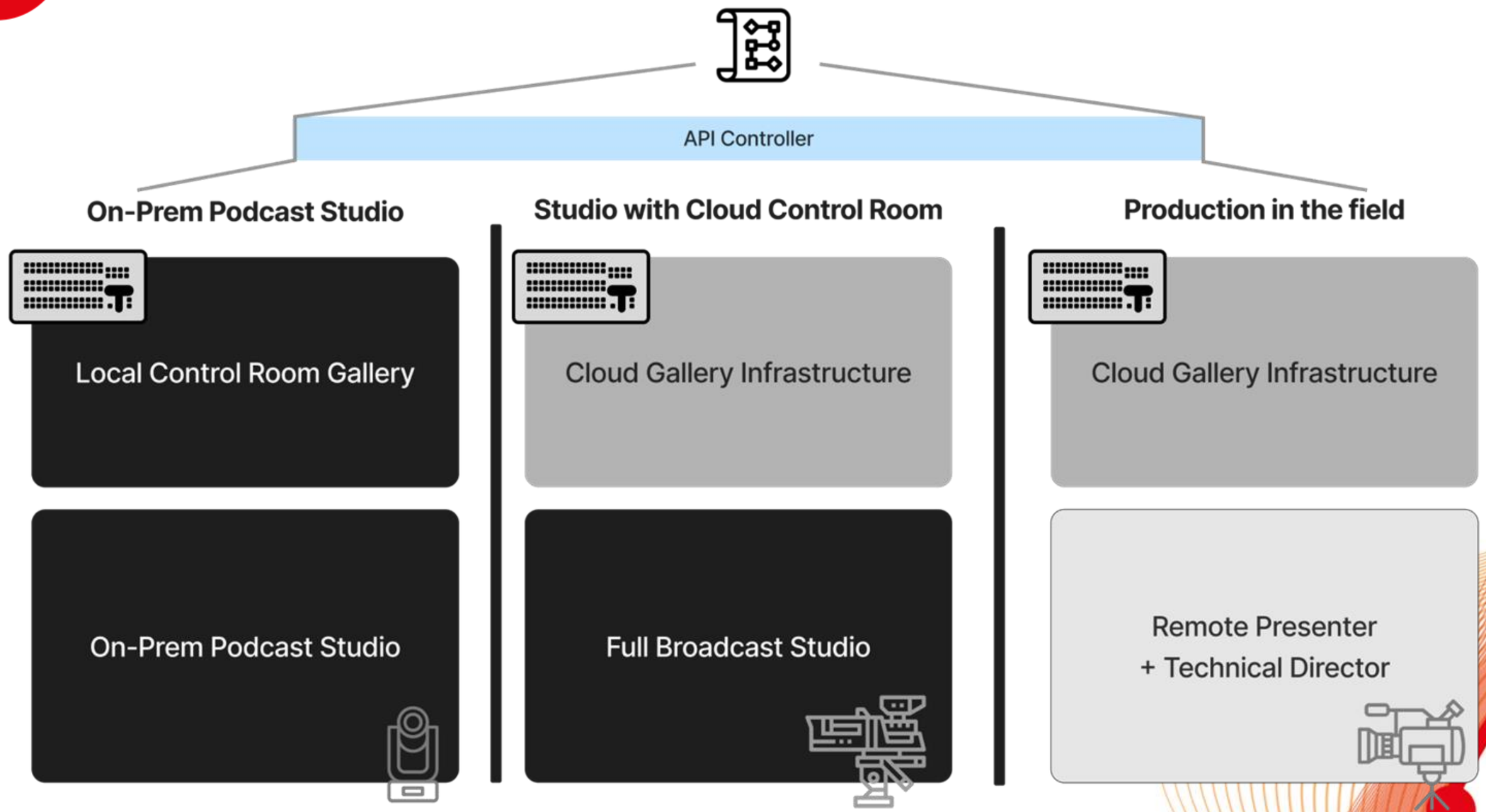


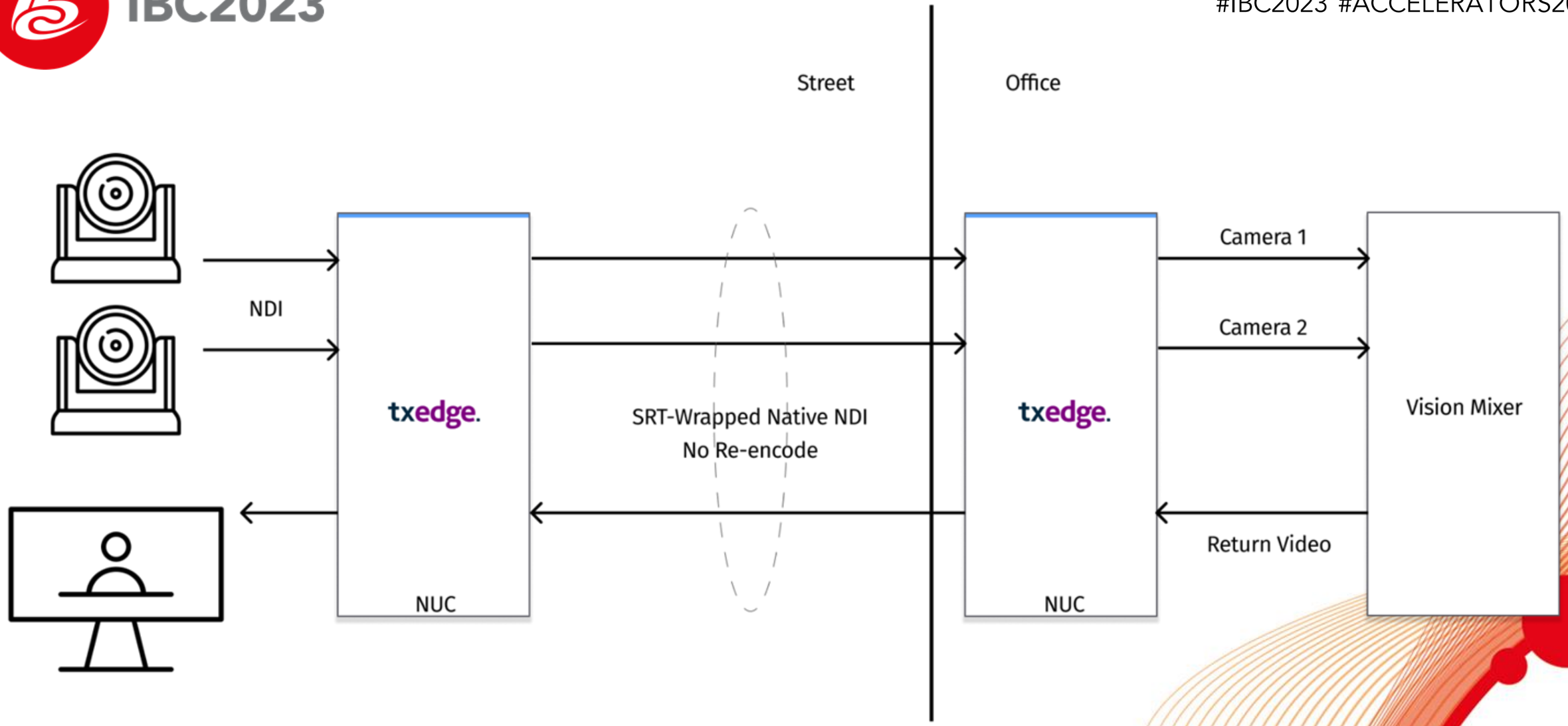
TRANSMIXR VIDEO

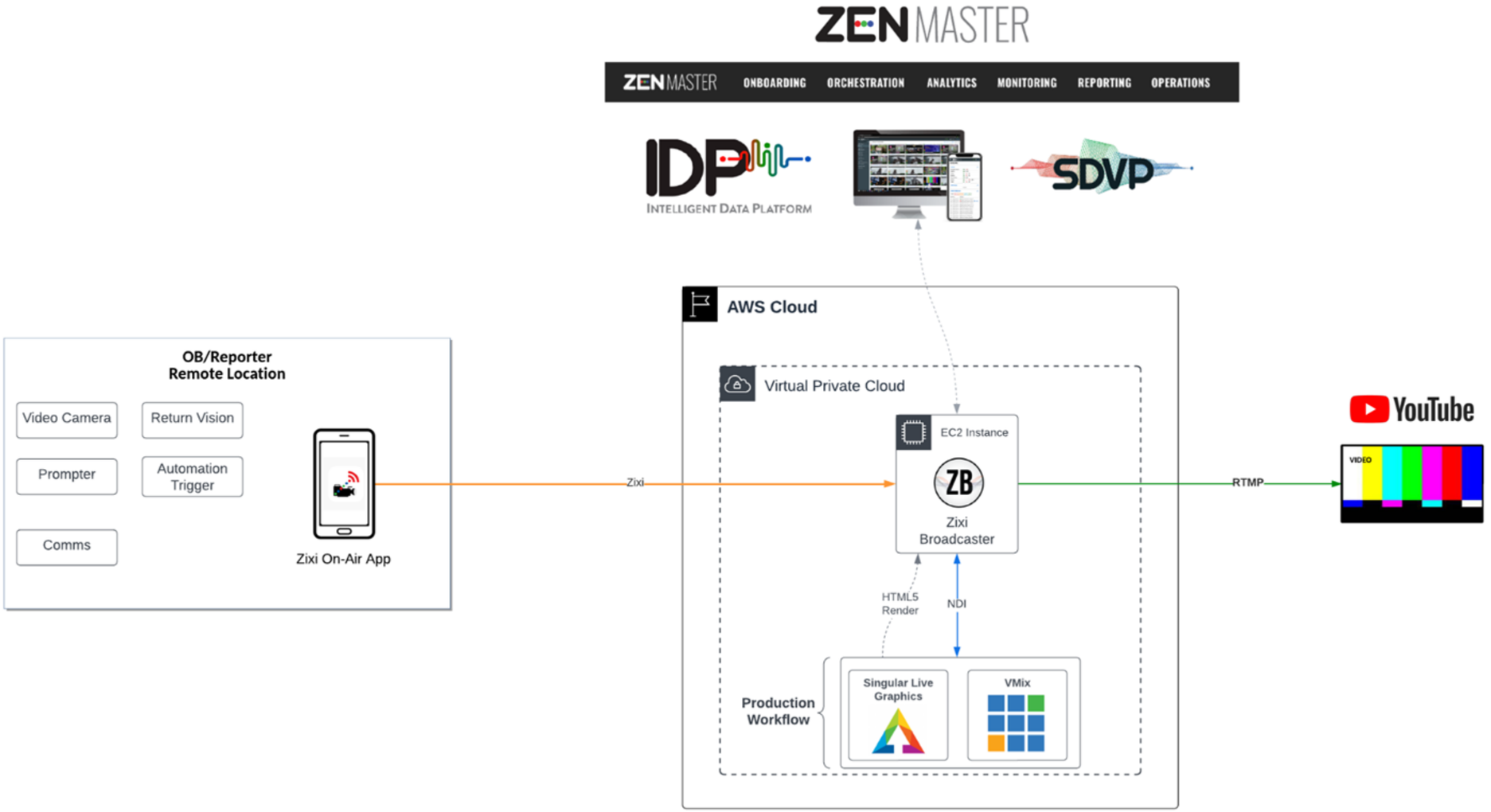
GALLERY AGNOSTIC LIVE MEDIA PRODUCTION
#IBCAccelerators23

IBC2023

One Common Workflow



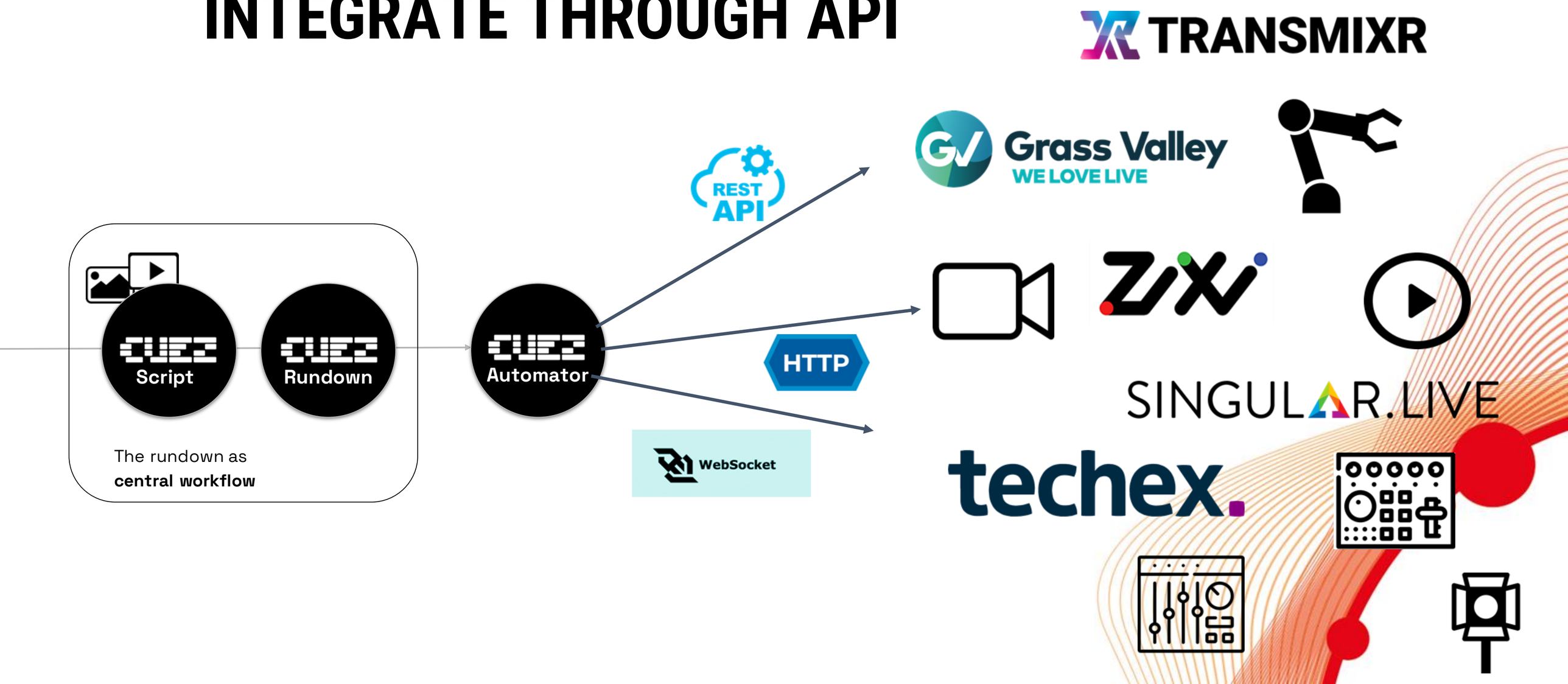

Street
Office
NDI
txedge.
SRT-Wrapped Native NDI
No Re-encode
txedge.
Camera 1
Camera 2
Vision Mixer
Return Video
NUC
NUC


ZEN MASTER
ZEN MASTER
ONBOARDING
ORCHESTRATION
ANALYTICS
MONITORING
REPORTING
OPERATIONS
IDP
INTELLIGENT DATA PLATFORM
SDVP
AWS Cloud
Virtual Private Cloud
EC2 Instance
ZB
Zixi Broadcaster
HTML5 Render
NDI
Production Workflow
Singular Live Graphics
VMix
OB/Reporter Remote Location
Video Camera
Return Vision
Prompter
Automation Trigger
Comms
Zixi On-Air App
Zixi
RTMP
YouTube
VIDEO

THE IMPORTANCE OF API

(and why it can make life wonderful)

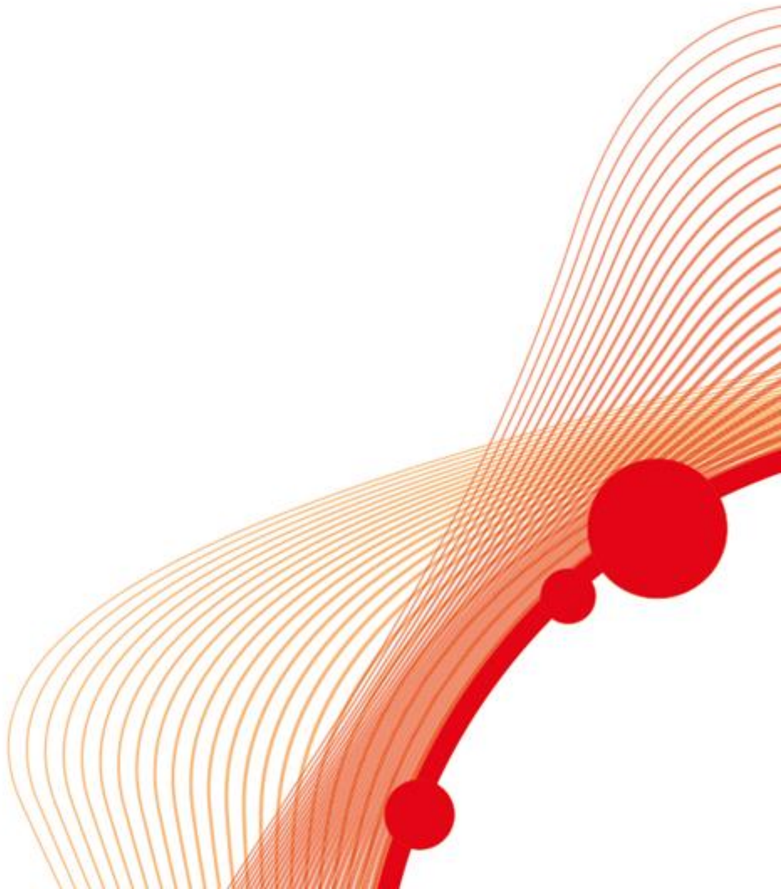
INTEGRATE THROUGH API



HOW API CAN IMPROVE INTEROPERABILITY

1. A “best practices” Checklist.

2. Develop a open common API standard
   This will allow for a basic standard of interoperability.



KEY LEARNINGS

- We need to re-imagine the standard NRCS+MOS approach.
- A central workflow or common interface is needed to connect to the multi-format, multi-vendor, multi-siloed technical estates.
- The RUNDOWN as common interface - with API being the connector.
- Industry: interoperability is a must - and API is the way!
- Open call to push for API Standardization & re-think silo'd workflows.

IBC2023

#IBC2023 #ACCELERATORS2023

OPEN CALL - HELP US TRANSFORM THE INDUSTRY

IBC2023

That’s all folks!