



Dutch Guild

Software Defined Broadcast

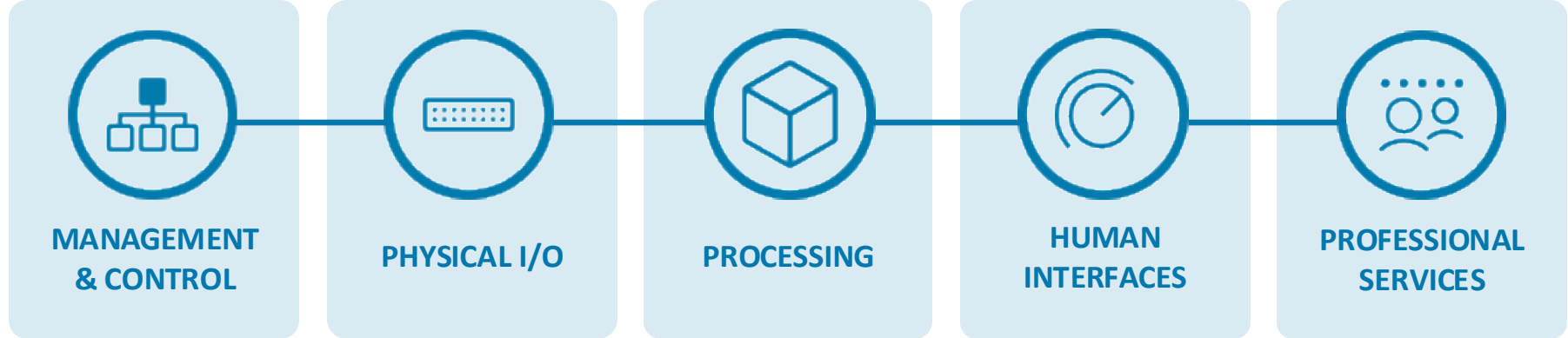
11 maart 2025

**GLOBAL
TECHNOLOGY
PARTNER**

**INNOVATIVE
SOLUTIONS**

**LIVE MEDIA
PRODUCTION
WORKFLOWS**

One unified and open platform

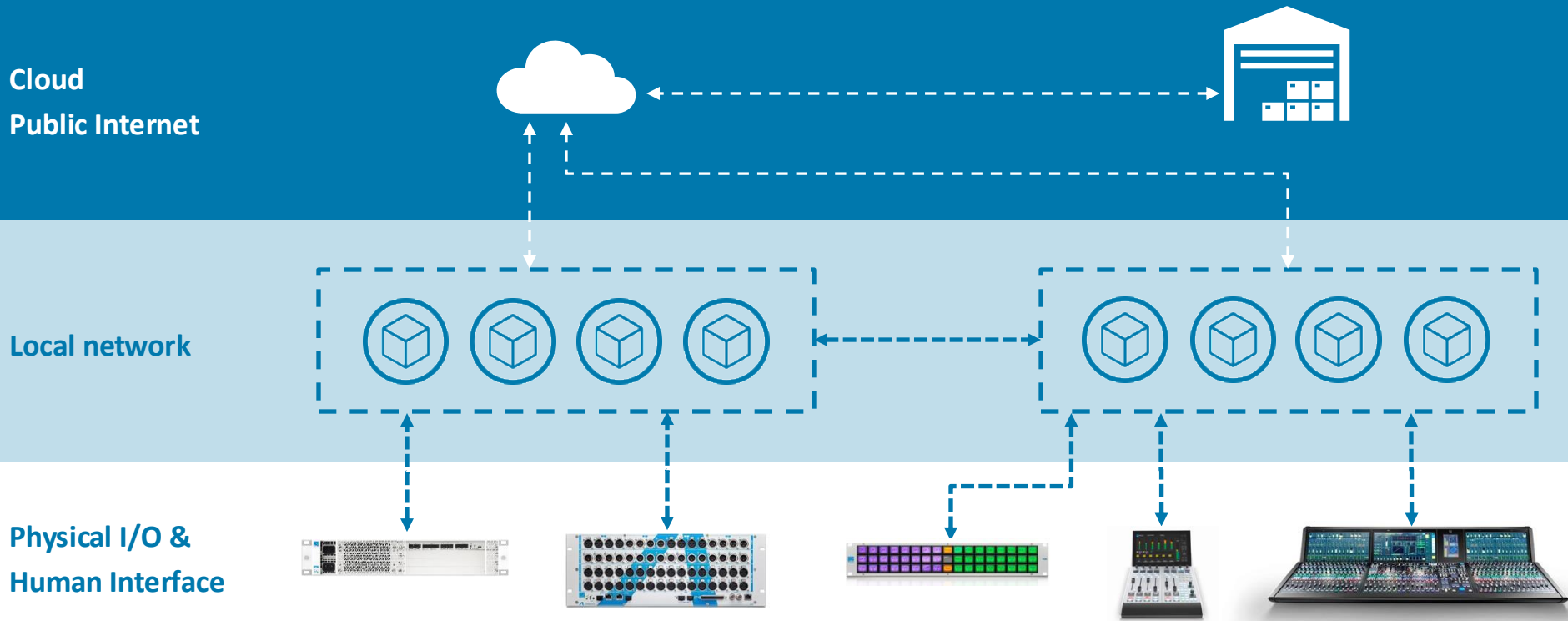


Lawo's Vision



Lawo's Vision

Connectivity and processing



Lawo's Vision

New content transportation standards

SMPTE ST2110

Uncompressed

JPEG-XS

SRT

H.264 / AVC

H.265 / HEVC

JPEG-XS

NDI

HX – H.264 / AVC

HX2 – H.265 / HEVC

MPEG-2 TS

H.264 / AVC

H.265 / HEVC

JPEG-XS

DANTE

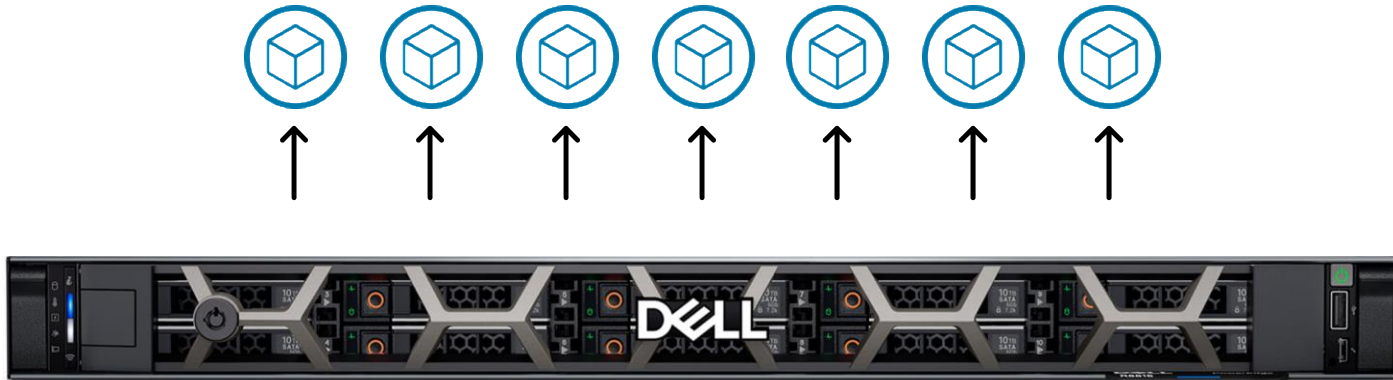
DANTE AV

DANTE Audio



Lawo's Vision

Decoupling software from hardware



Lawo's Vision

Cloud native technology



Lawo's Vision

Simplicity

The image displays three overlapping screenshots of the Lawo HOME PROD web interface, illustrating its simplicity and functionality.

Top Screenshot (Main Dashboard):

- Header:** LAWO HOME PROD HOME, Health (27), Theme.
- Left Sidebar:** Devices, Stream Routing, Signal Ownership, Groups, Snapshots, Health, Files, Licenses, Settings.
- Main Content:** Devices (Filters, 6 Locations X), New App, Approve, Quarantine, Reboot, More.

Middle Screenshot (Device Detail for A_stage64):

- Header:** LAWO HOME PROD HOME, Health (27), Theme.
- Left Sidebar:** Devices, Stream Routing, Signal Ownership, Groups, Snapshots, Health, Files, Licenses, Settings.
- Main Content:** A_stage64, Studio, Edit, Device Type (A_stage64), Type Number (985/62), Software Version (master.2240::master.393), License (-), Serial Number, Device GUID (b5b7f060-26bc-3662-b604-0e401372341b), Device ID (ebMQw7Y1s6e4P4MJ53Vt).

Bottom Screenshot (I/O Routing for A_stage64):

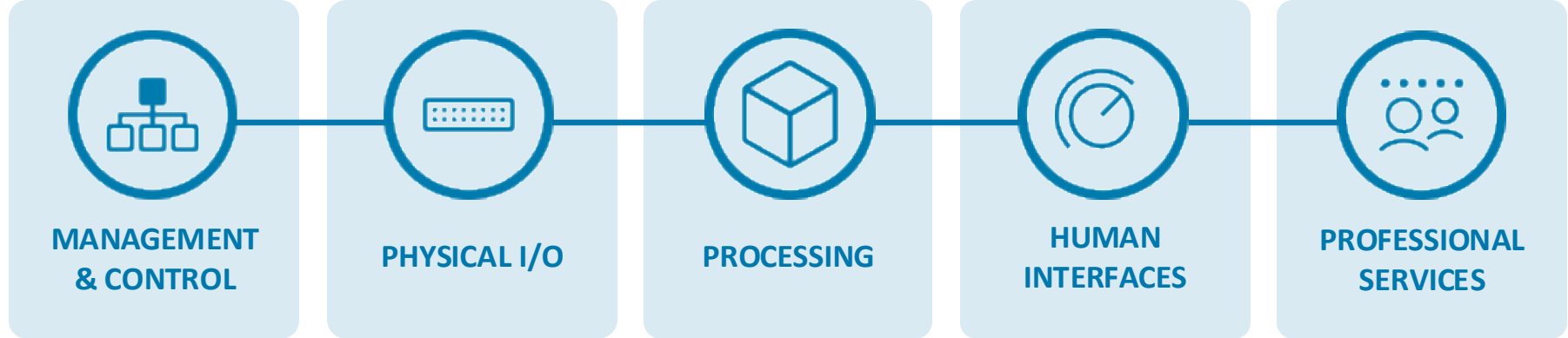
- Header:** LAWO HOME PROD HOME, Health (27), Theme.
- Left Sidebar:** Devices, Stream Routing, Signal Ownership, Groups, Snapshots, Health, Files, Licenses, Settings.
- Main Content:** I/O Routing, Sources (Filters), Destinations (Filters).
- Sources Table:**

Source	→
AES3-1L	10
AES3-1R	1
AES3-2L	1
AES3-2R	1
AES3-3L	1
AES3-3R	1
AES3-4L	1
AES3-4R	1
AES3-5L	
AES3-5R	
AES3-6L	
AES3-6R	
AES3-7L	

- Destinations Table:**

Connected Source	Destination
AES3-1L	AES3-1L
AES3-1L	AES3-1R
AES3-1L	AES3-2L
AES3-1L	AES3-2R
AES3-1L	AES3-3L
AES3-1L	AES3-3R
AES3-1L	AES3-4L
AES3-1L	AES3-4R
AES3-1L	AES3-5L
AES3-1L	AES3-5R
AES3-1L	AES3-6L
AES3-1L	AES3-6R
AES3-1L	AES3-7L

One unified and open platform

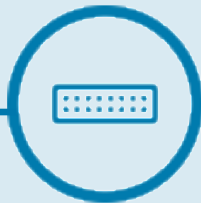




MANAGEMENT & CONTROL

HOME

VSM

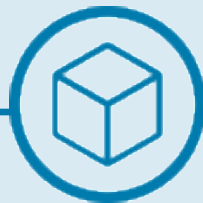


PHYSICAL I/O

.edge

A__Line

Power Core



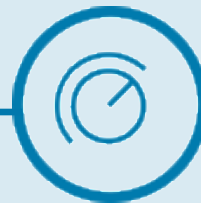
PROCESSING

HOME Apps

A__UHD Core

Power Core

R3LAY



HUMAN INTERFACES

Audio Consoles

VSM Panels

Software UIs



PROFESSIONAL SERVICES

Consulting

Deployment

Training

Support



PROCESSING

HOME Apps

A__UHD Core

Power Core

R3LAY

Adding processing to your system



Multiviewer



UDX



Stream Transcoder



Graphic Inserter



Test Pattern Generator



mc² DSP



Color Corrector



Delay



Time Code Inserter



DSK



PROCESSING

HOME Apps

A__UHD Core

Power Core

R3LAY

What are HOME Apps?

- **Software Apps** providing video & audio processing
- Running on **CPU** or **CPU & GPU**
- Can be deployed **dynamically**
- Architecture is based on the use of **Containers**
- Available with **permanent** and **flexible** license models



PROCESSING

HOME Apps

A__UHD Core

Power Core

R3LAY

How do HOME Apps work?

APP container library (accessible to HOME)

Stream Inputs / Outputs

2110 Receiver



2110 Sender



NDI Receiver



NDI Sender



SRT Receiver



SRT Sender



Processing

Deinterlacer



Scaler



MV Compositor



HDR LUT / Color Space



Test Pattern Generator



Proc-amp / Legalizer



Graphics Insertion



Processing

Function A



Function B



Function C



Function D



Function E



Function F





PROCESSING

HOME Apps

A__UHD Core

Power Core

R3LAY

How do HOME Apps work?



HOME Orchestration

Server 1

App Container Manager



Processing Slice 1

Multiviewer

2110 Receiver



Rescaler



MV Compositor



2110 Sender



CPU



Processing Slice 2

UDX

NDI Receiver



Deinterlacer



Rescaler



NDI Sender



CPU or GPU



Processing Slice 3

Stream Transcoder

NDI Receiver



SRT Sender



...

CPU



PROCESSING

HOME Apps

A__UHD Core

Power Core

R3LAY

How do HOME Apps work?

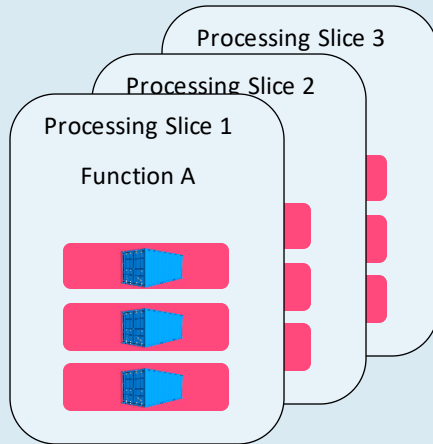


HOME Orchestration



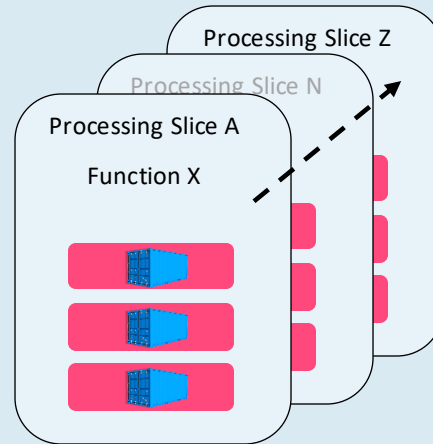
HW Server 1

Container Manager 1



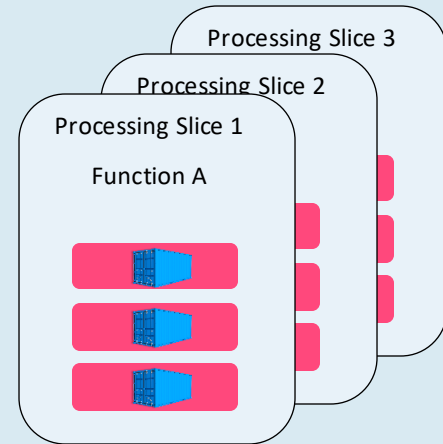
HW Server 2

Container Manager 2



Public Cloud

Container Manager 3





Live Demo