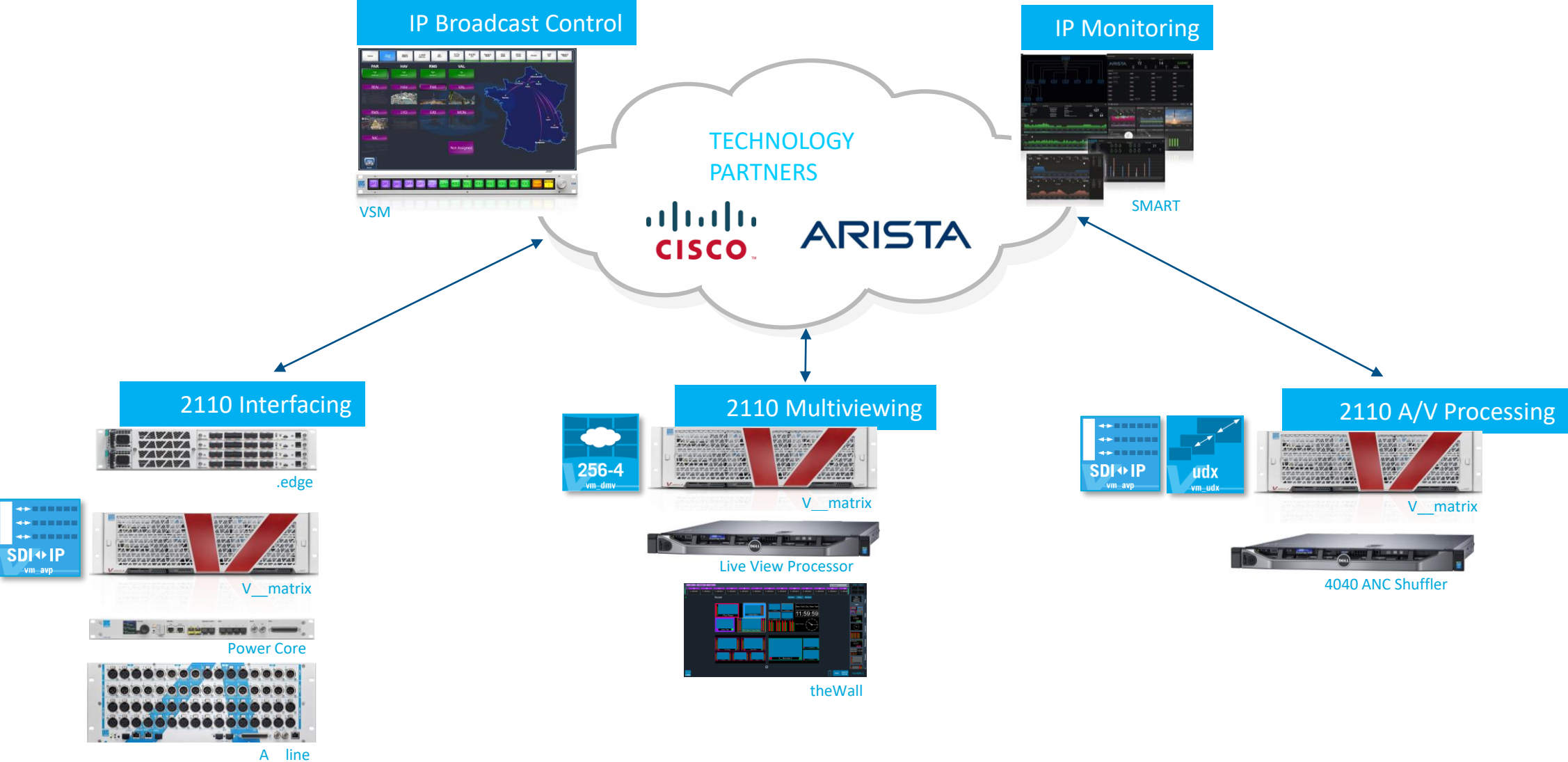


MEDIA INFRASTRUCTURE BY LAWO

FILIP VOJSOVIČ



Media Infrastructure by Lawo



Media Infrastructure by Lawo

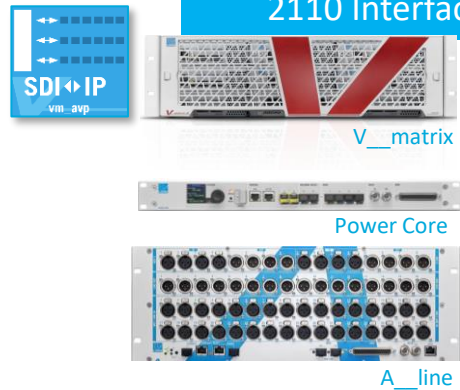
Interfacing & Processing Solutions

12G/3G/HD/SD-SDI
HDR & SDR Video
ST2110
ST2022-6
ST2042 (VC-2)
MADI
ANALOG
AES3
Dolby-E/ED2
Dante

3G & 12 G Mosaic Generation
12G/3G/HD/SD Inputs
MPEG-2/H.264/HEVC/J2K/OTT/ABR Inputs
SDI / IP / HYBRID IO
Alarming Engine

Frame Sync
Color Correction
Up/Down/Cross Conversion
HDR/SDR Conversion
Video Mixer (Keyer)
AV Delay
Dolby-E/ED2 alignment
Downmixing
Sample Rate Conversion
Test Signal Generation
Anc Data Processing

2110 Interfacing



2110 Multiviewing



2110 A/V Processing



.edge

.edge



Our Next generation IP processor



.edge

Hyper-Density SDI/IP Conversion & Routing Platform

.edge FRAME



Redundant PSUs

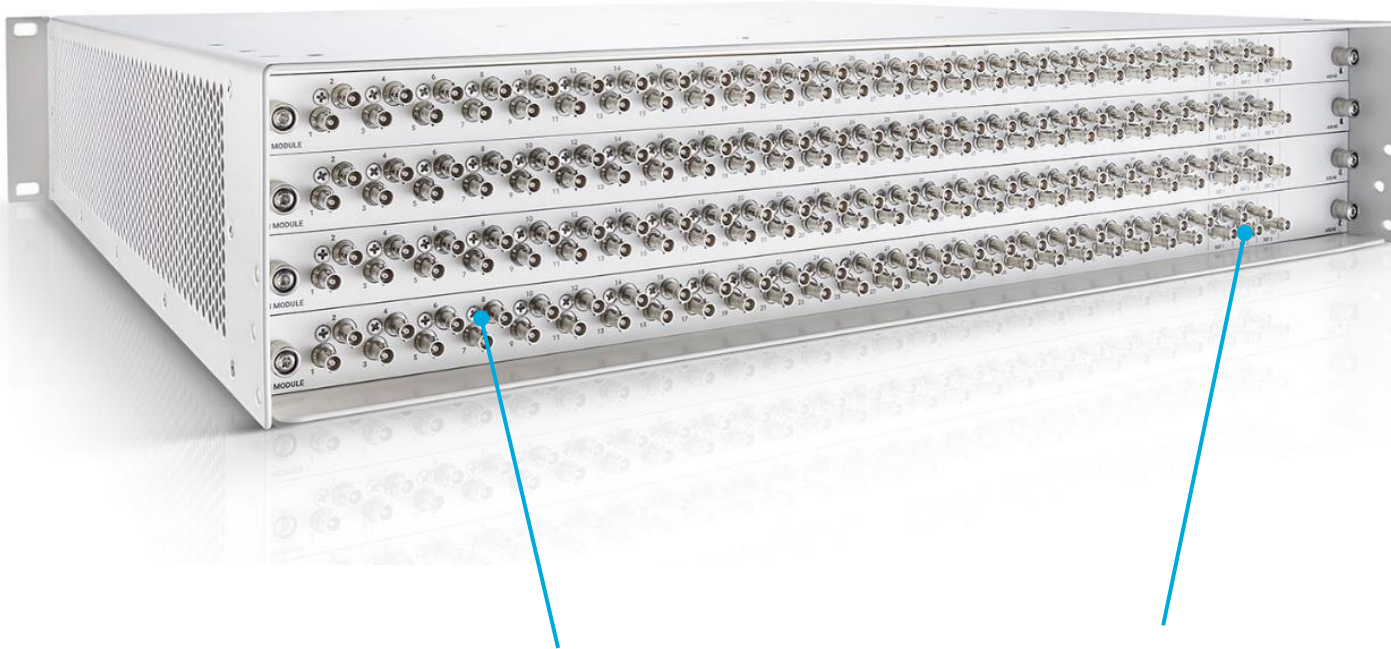
Fan Tray

Processing Blade

- 2RU device with redundant PSU
- 4 processing blades at the front
- The frame chassis only provides power and cooling
- Low noise cooling
- Slim and shallow, only 42cm, 6kg

.edge REAR I/O PLATE

Best in class SDI/IP Conversion Density



48 SD/HD/3G/UHD Connectors per plate
192 SD/HD/3G/UHD Connectors per 2RU

Sync Reference on Board

- 4 processing blades at the front
- Up to 192 Mini BNCs in 2RU
- Not only Gateway, but also Audio/Video processor.
- Dual reference inputs with loop thru
- Ref output generated from PTP



- The latest FPGA technology with the highest processing performance
- Edge supports natively 100G and 25G interfacing
- 2x 100G
- 4x 25G
- 2x 1G Management interface
- 25G provides you the most cost efficient way to connect to the network
- If you are working in 3G or UHD, then you would use 100G
- The processing blades itself are completely fanless

.edge SOFTWARE LICENSABLE INFRASTRUCTURE

Pay as you Go – Maximum OPEX Flexibility for a Hardware-based Tool



Base License

- .edge unit with one processing blade and one SDI rear I/O plate
- 16x SDI (one of three configurations, see below)
- 25Gbps operation (4x SFP28 ports)

Configuration Preset 1: 8 inputs, 8 outputs*



Configuration Preset 2: 4 inputs, 12 outputs*



Configuration Preset 3: 12 inputs, 4 outputs*



Option 1 (software license)

- Adds an additional 16x SDI (total of 32, one of three configurations, see below)
- No additional hardware or network ports required
- Licensing scheme: permanent, monthly**, yearly**

Configuration Preset 1: 16 inputs, 16 outputs*



Configuration Preset 2: 8 inputs, 24 outputs*



Configuration Preset 3: 24 inputs, 8 outputs*



Option 2 (software license)

- Adds another 16x SDI (total of 48, one of three configurations, see below)
- No additional hardware or network ports required
- Licensing scheme: permanent, monthly**, yearly**

Configuration Preset 1: 24 inputs, 24 outputs*



Configuration Preset 2: 16 inputs, 32 outputs*



Configuration Preset 3: 32 inputs, 16 outputs*



.edge

Hyper-Density SDI/IP Conversion & Routing Platform

.edge SOFTWARE LICENSABLE INFRASTRUCTURE

Additional Feature Licenses



Input Frame Synchronizer

- Per input/instance
- Licensing scheme: permanent, monthly**, yearly**

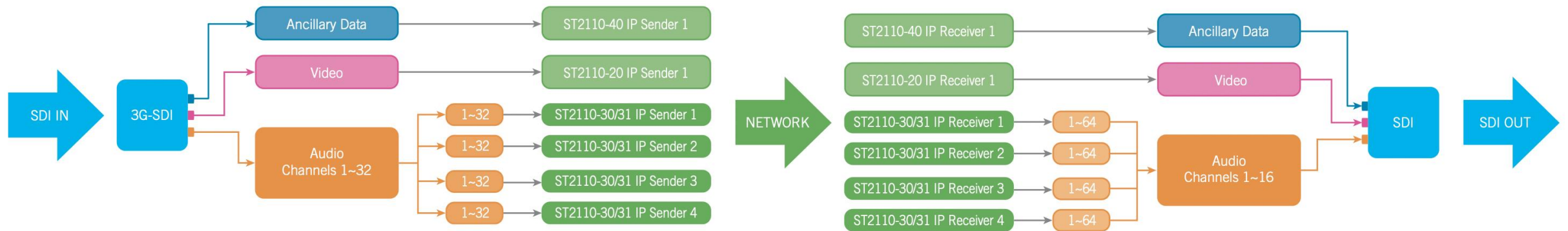
3G UHD Gearboxing

- For quad-link 3G signal input or output
- Per input/output instance
- Licensing scheme: permanent, monthly**, yearly**

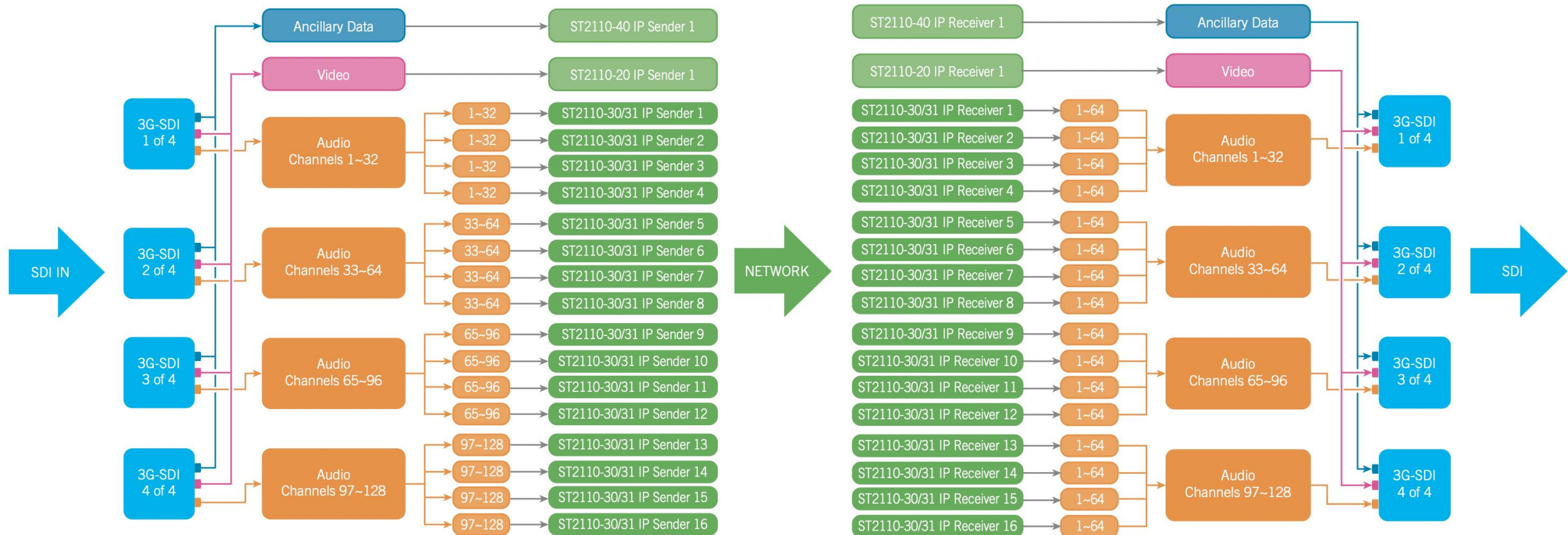
100G Port Activation

- Unlocks 100Gbps bandwidth
- Recommended for, e.g., single- and quad-link 3G as well as single link 12G UHD

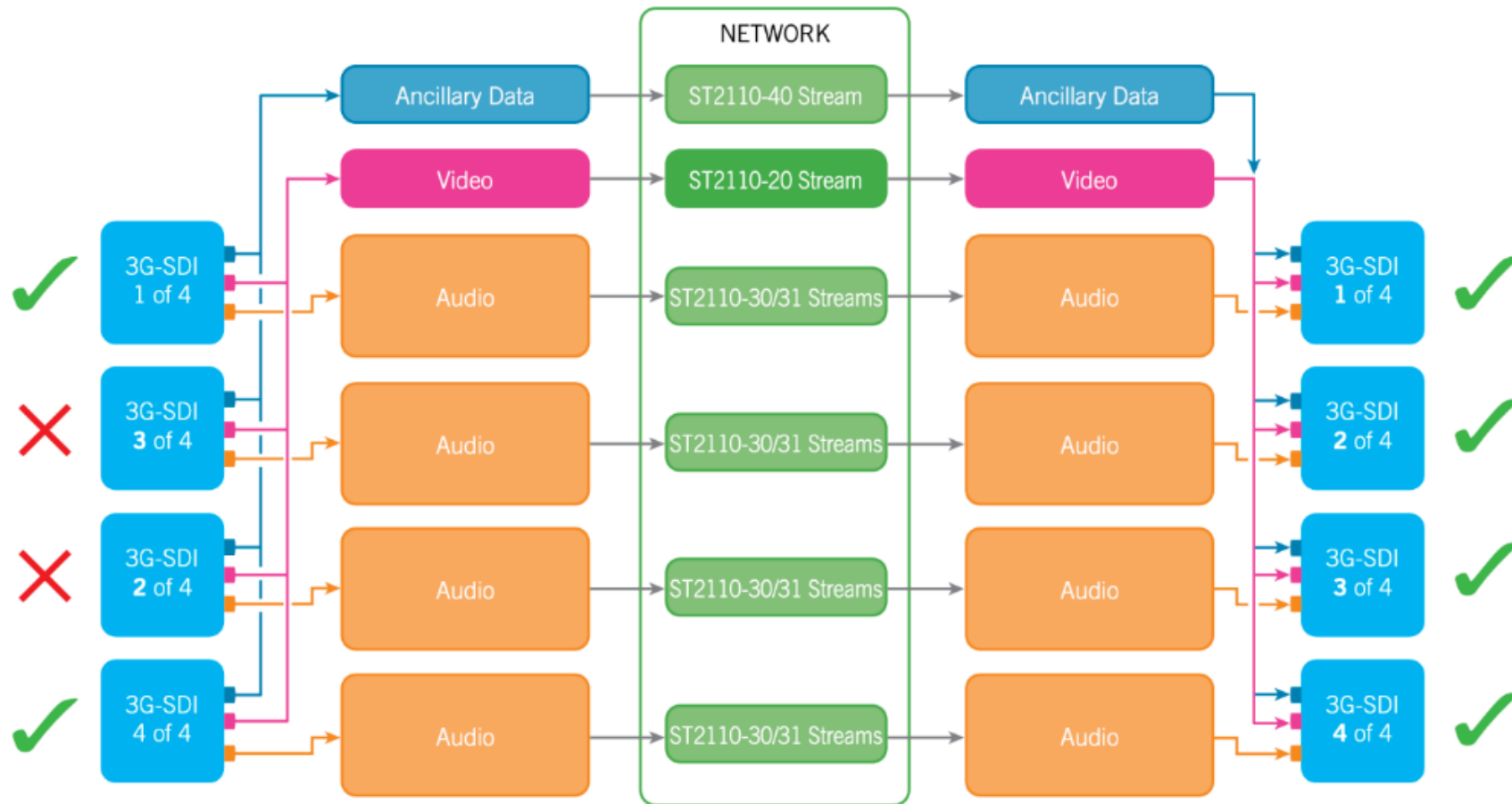
Conversion structure 3G



Conversion structure 12G



Build for Real-World Users: 'UHD Link Rotate' for Peace of Mind



VSM – IP Broadcast Control

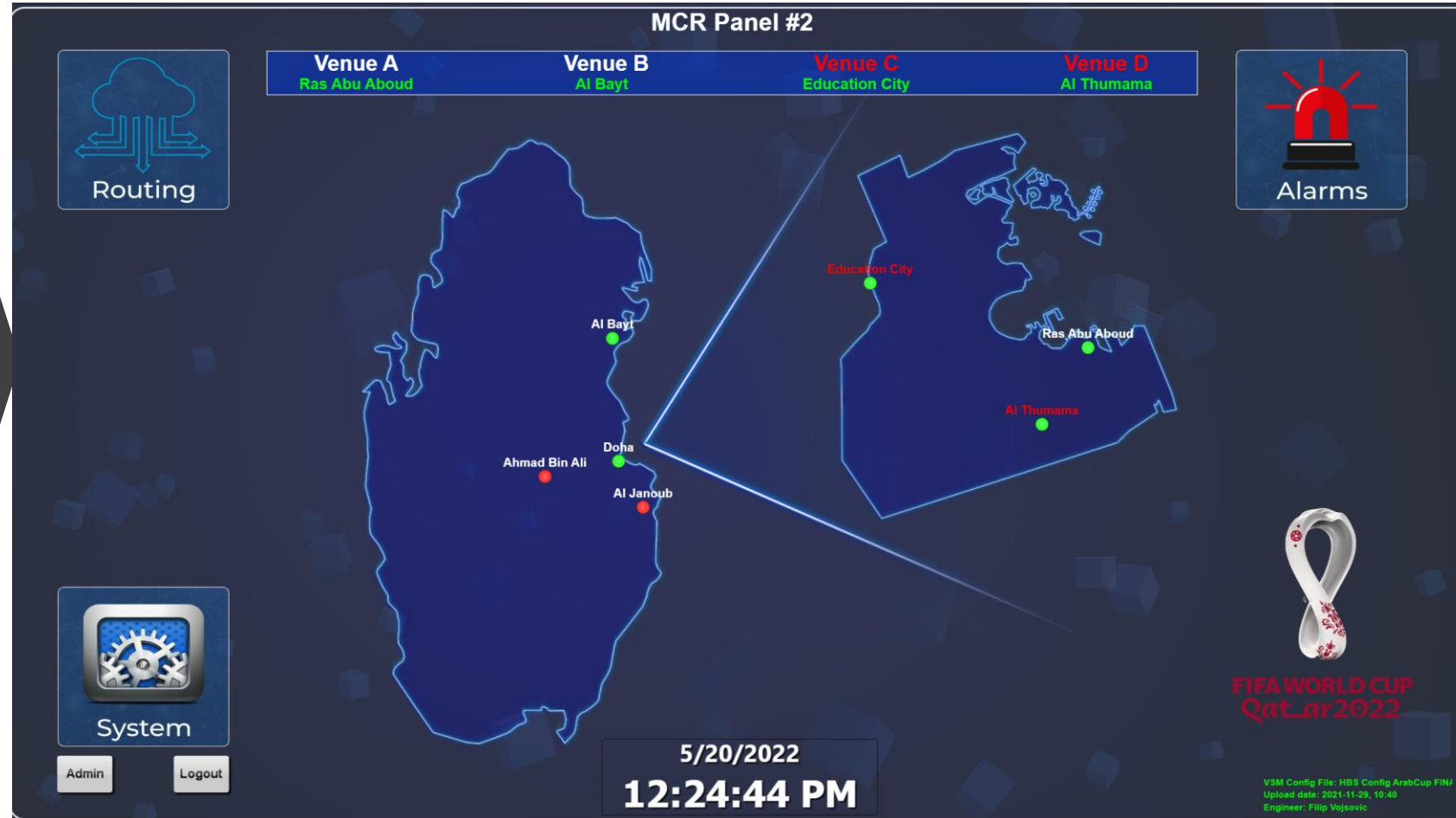
FIFA World Cup Qatar 2022



Full Audio & Video signal distribution (ST2110)
 - V_Matrix system (120 C100s)
 - V_Matrix Distributed Multiviewer (40 C100s)

Full commentary system distribution (ST2110)
 - 660 x LCU (Commentator Units)

Full VSM Control
 - Video IO size 6000x6000

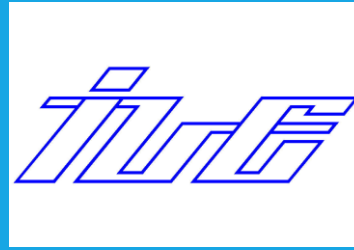


UEFA EURO 2020





ELEKTRONIKA
your system integrator



MEDIA INFRASTRUCTURE BY LAWO

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