

Revision 1.8



-231

WE ARE ROSS

- Corporate Overview and Culture
- Living Live with Ross Our
 Clients
- Spotlight on Products & Services
- The Ross Commitment



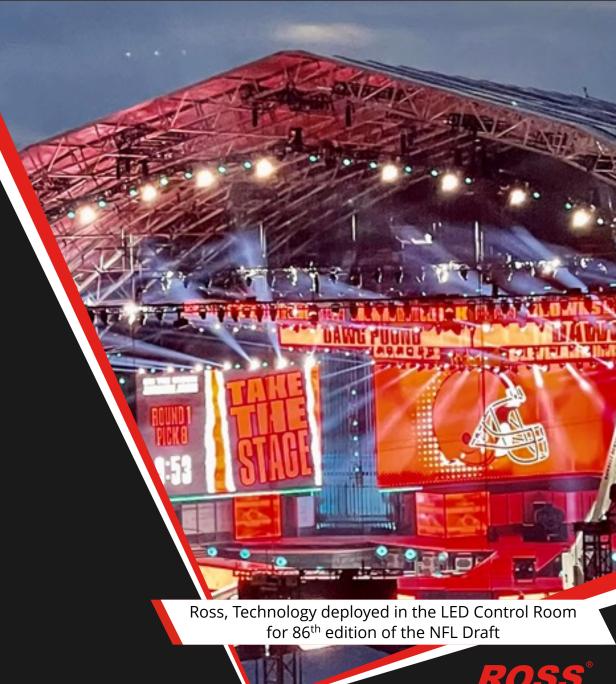
 \sum



Servus TV (Red Bull Media House) Control Room, Salzburg, Austria

A PASSION FOR LIVE PRODUCTION

- Ross creates technology, solutions and services for the live production industry
- Ross has a unique position in the industry thanks to our focus, and the breadth and depth of our portfolio
- Ross solutions enable customers to develop *High Impact, High Efficiency* live productions



THIS IS WHO WE ARE





Privately Owned, Founded in 1974 Majority Owned by David Ross

MAJORITY OWNER

DAVID ROSS



422 Employee Shareholders



Self Funded & Net Debt Free

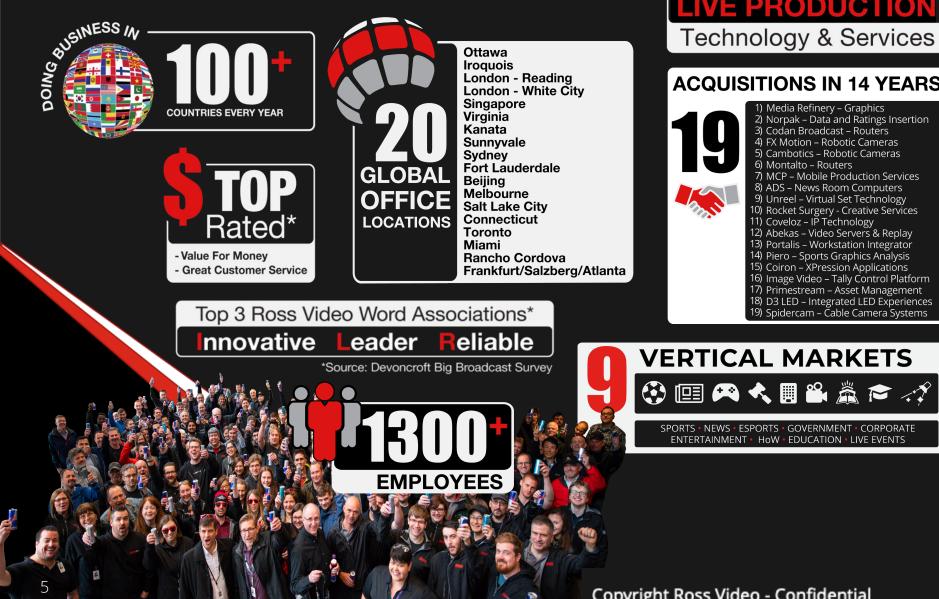
Revenue > \$300M

Revenue Growing at 17% (CAGR)



Copyright Ross Video – Confidential

THIS IS WHO WE ARE



LIVE PRODUCTION Technology & Services

ACQUISITIONS IN 14 YEARS



1) Media Refinery – Graphics 2) Norpak – Data and Ratings Insertion 3) Codan Broadcast – Routers 4) FX Motion – Robotic Cameras 5) Cambotics – Robotic Cameras 6) Montalto – Routers 7) MCP – Mobile Production Services 8) ADS – News Room Computers 9) Unreel – Virtual Set Technology 10) Rocket Surgery - Creative Services11) Coveloz – IP Technology 12) Abekas – Video Servers & Replay 13) Portalis – Workstation Integrator 14) Piero – Sports Graphics Analysis 15) Coiron – XPression Applications 16) Image Video – Tally Control Platform 17) Primestream – Asset Management 18) D3 LED – Integrated LED Experiences19) Spidercam – Cable Camera Systems



:(0)

Copyright Ross Video - Confidential

OUR PHILOSOPHY

- The Ross Corporate Code of Ethics is well known in the industry and guides our team in their interactions with the world around us, starting with #1: 'We will always act in our customer's best interest'
- Ross is recognized for having a strong corporate culture. We are well known as being a great company to work for and to do business with



our CODE OT ET THIOS

e will do something extra or our customers, as an apology, when something big goes wrong and it's our fault.

We will keep our promises.

We will treat the competition with respect.



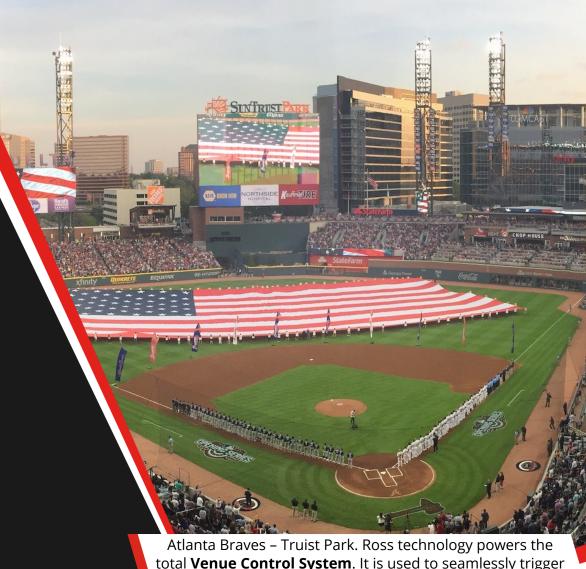
OUR MISSION OUR VISION

Vision

To Lead the World in Live Production Solutions

Mission

- We Make Cool Practical Technology
- We Provide a Superior Customer Experience



Atlanta Braves – Truist Park. Ross technology powers the total **Venue Control System**. It is used to seamlessly trigger all displays and devices and to integrate closed captioning and emergency messaging.



EXPERIENCED STABLE LEADERSHIP



Jeff Moore Executive Vice President & Chief Marketing Officer,

Vice Chair of the Board



George Angus Chief Financial Officer



David Ross CEO & Chairman of the Board



Jeff Poapst Chief Manufacturing & Services Officer



Troy English Chief Technology Officer & SVP Product Development

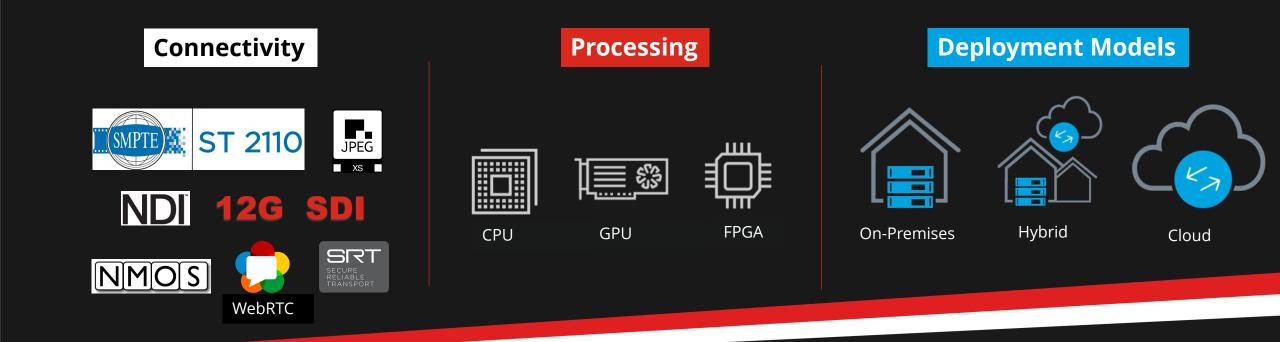


RESILIENCE THROUGH DIVERSITY

- Market Vertical Diversity
- Geographic Diversity
- Product Diversity
- Technology Diversity
- Staff Diversity





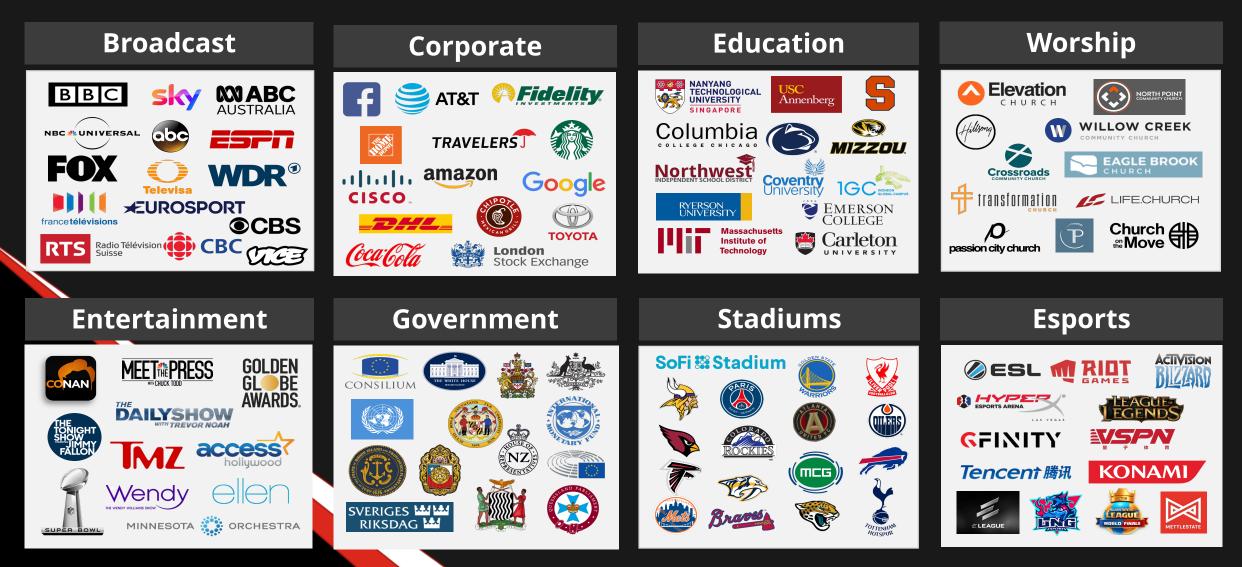


DIVERSE EXPERTISE

- The Ross Workflow & Technology R&D Roadmap is Customer Driven
 - Committed to SDI (12G), IP and streaming standards
 - ► Industry leader in GPU, CPU, FPGA processing technologies
 - Customer-driven deployment models
 - Open standards focus NMOS, 2110, AES67
 - Technology Innovation -AI



OUR CUSTOMERS AND OUR VERTICAL MARKETS





NEWSNATION

- Ross technology enables easy on-set display workflow for the National Super Channel, Chicago, Illinois, USA
- Ross Products & Services
 - Acuity, OverDrive, CamBot, XPression, Tessera and Mosaic



LIVING LIVE WITH ROSS Output Sofi Stadium

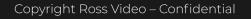
- Ross technology deployed in Control and Display Control Rooms. It powers the Oculus (center hung LED screen) at the SoFi Stadium, Los Angeles, California – home of the LA Rams, LA Chargers, and LA Bowl
- Ross Products & Services
 - Acuity running UHD/HDR HLG2 (primary and redundant), XPression(s) UHD IP, XPression Tessera Display Control, Ultrix FR5s 12G, Frames, Gator Toolbox Cards, DAs, DashBoard, Inception Social



- Ross technology used to create a stunning gallery designed for motion at VTM, Flanders, Belgium
- Ross Products & Services
 - Multiple Furio(s) robotic pedestals on integrated painted tracks that are custom made at the Ross factory
 - Lucid Studio, a highly flexible and customizable control platform designed for virtual productions



Stunning Gallery Designed for Motion



- Ross technology used to wow the world's largest TV audience during the 2021 New Year's show by CCTV, Beijing, China
- Featuring extensive coverage in HDR 12G UHD including multiple animated graphics and augmented reality sequences
- Ross Products & Services
 - 1st Voyager XR (Extended Reality) user

Extended Reality (LED Floor and Walls with AR Extensions)



- Ross technology used in a complete refurbishment of the studio gallery to enable production automation, and extended reality (XR) for greater creativity and efficiency at Servus TV, owned by Red Bull Media House, Salzburg, Austria
- Virtualized Inception NRCS with customer created integration points
 - XPression MOS, Tessera for Onset Displays, XPression Maps, Voyager, HTML5 plugin, Streamline Enterprise, OverDrive, Carbonite Furio, Mosaic and Tria News



e Google

- Ross technology creates an immersive experience for Google staff and stakeholders at their Event Centre, Pier 57, New York City, USA
- Ross Products & Services
 - 12G Distributed Ultrix, Acuity, Carbonite, XPression, openGear, & DashBoard

Google Event Centre, Pier 57

REALIZER



LIVING LIVE WITH ROSS **(a)** passion city church

- Ross technology creates an immersive experience for Passion City Church, Passion Conferences in Atlanta, GA / Cumberland, GA / Washington, D.C., USA
- Passion City Church also produces Passion Conferences that are multi-venue and global, pushing the limits for production and transmission
- Ross Products & Services
 - Carbonite Black and Ultra, Ultrix, Tria, XPression & DashBoard

Leaders in Messaging and Creative

Production



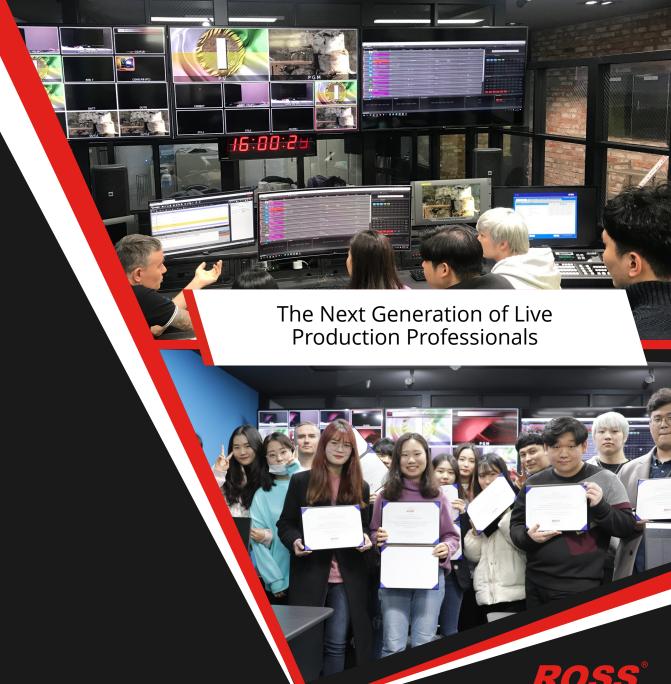
- Ross technology brings openness and accountability to the City of San Antonio, Texas, USA
- The City of San Antonio deployed four systems for various rooms and functions, including the main council chamber for televised legislative meetings
 - Single operator workflow!
- Ross Products & Services
 - Lightning Control System, Carbonite, XPression, CamBots, DashBoard





- A full Ross solution is deployed by ICG Incheon, Korea to deliver outstanding educational courses for Editorial and Television Production
- Certification process via collaboration with Ross





Copyright Ross Video – Confidential



 The Ross LED Control Solution and Kiva Presentation Server were used at the 86th Edition of the NFL Draft, held in Cleveland, Ohio, USA

• Ross Products & Services

 Ultrix, Ultritouch, Mosaic, XPression Tessera, DashBoard, XPression Studio, and Kiva are all being used to drive more than 50M pixels of LED on the main stage



Ross Technology Used in the LED Control Room for 86th Edition of the NFL Draft



SPOTLIGHT ON SERVICES

• Ross Professional and Support Services

Team provides a complete range of local support for clients looking to get the most out of their Ross technology

- Ross Production Services (RPS) produces over 500 events per year for organizations like ESPN, NBC, Fox, ACC Network and SEC Network
- Ross Rocket Surgery Design Services offer cutting edge motion graphics design, virtual set design with custom panel control and data integration





XPRESSION | Single, Triple, 4K UHD Flex, Prime, Go!, Designer, Developer, Remote Sequencer XPRESSION CLIPS PRODUCTION TRIA EXPRESS DUET KIVA+ XPRESSION ELECT IT XPRESSION MAPS TRIA+ TRIA+ UHD **XPRESSION TICK IT** XPRESSION TELESTRATE XPRESSION TESSERA| Multi-Screen Processing XPRESSION TOUCH FACTORY 1RU, 2RU & 4RU PIERO | Sports Analysis Graphics PIERO BROADCAST PIERO BROADCAST FILE PIERO CLUB AIRCLEANER-2 PIERO LIVE | Soccer, Rugby, AFL and NFL Productions



REPLAY

MIRA+

MIRA Express

VIDEO SERVERS

PRESENTATION

HYPERCONVERGED SOLUTIONS

NK | Cost-effective, high-performance router ULTRIX | UHD and IP routing, multiviewers, A/V signal processing ULTRIX FR12 | Larger-scale Hyperconverged Solutions with Smart Door ULTRICOOL | Smart, directional 1RU rack mount cooling system ULTRICORE | Fully featured connectivity control system ULTRITOUCH | System control and monitoring panel

OPENGEAR | Modular signal processing MASTER CONTROL SWITCHERS | Master control and branding IGGY | AES67 and ST 2110 AUDIO BRIDGE platform NEWT | COMPACT UHD-OVER-IP SDI / HDMI CONVERTER RAPTOR | ST 2110 Gateway TALLY CONTROL | Signal tracing and monitoring MASTER SYNC GENERATORS | system timing solutions AUDIO MONITORING BRIDGES | 1RU and 2RU monitoring tools KVM SYSTEMS AND PRO-XI | Command and control centers solutions GEARLITE CONVERTERS | SDI and fiber mini converters AUDIENCE MEASUREMENT | Audience engagement measurement

ACQUISITIONS, TRANSCODE & PLAYOUT

MEDIA I/O Software Based Capture,

SOFTGEAR | Software Microservice Media Processing Platform

SERVICES

ROSS PRODUCTION SERVICES | Live Event Productions & Rentals

ROCKET SURGERY |



PRODUCTION TECHNOLOGY & SERVICES



LUCID STUDIO | Control System & Workflow VOYAGER | EPIC Unreal Engine 4 ARVS Renderer



CONTROL SYSTEMS

OVERDRIVE | Automated Production Control DASHBOARD | Facility Control LIGHTNING | Assembly Control **ULTRITOUCH** | Touch Screen Control POWERPLAY | Event Control System



CAMERA MOTION SYSTEMS

PAN AND TILT HEADS | X300, X350, VR0, VR100, VR600, 520PT, 600PT, 700PT BLACKBIRD | C2, S2 and SE Elevation Systems CAMBOT | 600XY-S2, 600XY-S3, 700XY Free-Roaming Pedestals FURIO | SE Studio & SE Live Floor Rail Systems, and SkyDolly Ceiling-Mounted Rail Systems SMARTSHELL | Robotic Camera Control System VISION[Ai]RY | Facial Tracking [Ft] System ACID CAMERAS | Z50-UCHR, H200-UCHR PTZ CAMERAS | PTZ-12G, PTZ-NDI SPIDERCAM | Cable-suspended camera system







ASSET MANAGEMENT & STORAGE

Ultrix

PRIMESTREAM | Video Asset Management STREAMLINE | Graphic Asset Management EVO | Networked Storage

tr

Ultrix



NEWS & SOCIAL MEDIA

INCEPTION NEWS | Academic, Express, Standard, Enterprise INCEPTION LIVE INCEPTION SOCIAL INCEPTION.CLOUD HORIZON | Enterprise Connector



PRODUCTION SWITCHERS





CARBONITE

TOUCHDRIVE PANELS | TD35, TD25, TD2, TD1, TD1C CARBONITE BLACK SOLO / SOLO13 | Compact Production Switcher CARBONITE BLACK / BLACK PLUS / BLACK PLUS 12G | SD/HD/UHD Mid-Sized Production Switcher CARBONITE ULTRA | 1RU SD/HD/UHD Production Switcher ULTRIX CARBONITE | Mid-Sized HD/UHD Hyperconverged Production Platform CARBONITE MOSAIC | Multi-Channel Video Image Processor

ACUITY

ACUITY PANELS [15/15DD, 2M/2MDD, 2X/2XDD, 3M/3MDD, 3/3DD, 4/4DD ACUITY FRAMES | 4RU & 8RU SDI, SD, HD, UHD ULTRIX ACUITY | HD/UHD Hyperconverged Production Platform

GRAPHITE

GRAPHITE | All-in-One SD/HD Production System GRAPHITE PPC | All-in-One Portable SD/HD Production Center





SPOTLIGHT ON PRODUCTION SWITCHERS

Production switchers are our passion. We have been making them since 1974, and they are the core of our business. We provide the tools you need to get your creative vision on the air

- Production Switcher Lineup
 - Acuity | Flagship Production Switcher
 - Carbonite Black & Ultra | Mid-sized Production Switchers
 - Carbonite Black Solo | Compact Production Switcher
 - ► Graphite | All-in-One Production System
 - TouchDrive | Touch-enabled panels for Carbonite



SPOTLIGHT ON HYPER-CONVERGED PRODUCTION

Based on the concept of the Software-Defined Production Engine (SDPE), Ross has developed integrated production solutions by merging its production switchers with its award-winning routing platform

Hyper-Converged Production Solutions

- Ultrix Acuity | Large Hyper-Converged Production Platform
- Ultrix Carbonite | Mid-Sized Hyper-Converged Production Platform



SPOTLIGHT ON TOUCHDRIVETM

- TouchDrive is the next generation of production switcher panels for Carbonite
- TouchDrive redefines the relationship between a Technical Director/Vision Mixer and their switcher by bringing smartphone display technology to video production switchers – even gestures
- Every display on the control panel is touchenabled – all of them allow features to be dropped right under the fingertips of the operator



SPOTLIGHT ON XPRESSION

- XPression is the fastest growing real-time motion graphics platform in the industry today, offering a cost-effective, seamless and efficient workflow
- Built from the ground up to be a 3D system, XPression also fully supports 2D workflows, including clips, and seamlessly composites real-time 3D animation with media assets from today's hottest design applications
- XPression Lineup
 - A suite of XPression configurations are available to suit any budget or level of production
 - Powerful solutions available from 1RU to 4RU supporting MOS Workflows with HD-SDI, SMPTE ST 2022-6, 2022-7 & 2110 and 12G, in HDR and SDR
 - XPression Tessera, an infinitely scalable architecture for driving canvasses over multiple and massive, pixel-accurate display panels, projectors and video walls



SPOTLIGHT ON CAMERA MOTION SYSTEMS

Robotic solutions for a wide range of applications from live sporting events to studio broadcast to worship productions to your home office. Ross offers the widest range of robotic camera systems including track-based dollies, free-roaming pedestals, and standalone pan & tilt solutions

Robotics

Ross Video has the most complete robotics offering available, whether you are looking for the unparalleled smoothness of a track-based system, the unbeatable flexibility of a free-roaming pedestal, or the simple efficiency of a standalone pan & tilt head

Remote Control

Control architecture enables remote and automated productions including AI features.



SPOTLIGHT ON SPIDERCAM

Spidercam has been providing cutting-edge cablecam solutions to sporting events, concerts, television shows, and more for almost 20 years.

- Carry a variety of gimbals and camera setups, including 4K broadcast cameras with ultra-wide lenses
- Deliver fast, smooth camera shots that provide a unique perspective to the production
- Current Spidercam Models include:
 - Spidercam FIELD This 3D solution is suitable for outdoor productions or other stadium events, such as horse racing, cricket, football, and concerts.
 - Spidercam LIGHT/MINI This smaller, lighter dolly was designed to perform in smaller venues like TV or news studios, concert halls or smaller sports arenas, movie sets, and more.



SPOTLIGHT ON VIRTUAL PRODUCTION SOLUTIONS

- Voyager is Ross Video's latest graphics platform, powered by Epic Games' Unreal Engine. Voyager leverages the world's most powerful and realistic renderer, enabling its use for augmented reality, virtual studios and LED XR Stages. A workflow built with flexibility and speed of operation in mind, Voyager helps customers create stunning, complex virtual environments designed for use in broadcast television, corporate events, esports, and entertainment
- Lucid Studio is a highly flexible and customizable control platform designed for virtual productions, including MOS workflow



SPOTLIGHT ON VIDEO SERVERS

Built on rock-solid architecture, Ross video servers provide broadcast-level quality and reliability for a wide range of live production applications

- Video Server Lineup
 - ► Tria Express Duet | Clip Player
 - Tria+ | Multi-Channel Production Servers
 - Tria+ UHD | Dual Channel UHD Production Server
 - ► Tria News | News Playout Server
 - ► Kiva | Visual Live Presentation Server



SPOTLIGHT ON REPLAY SERVERS & DELAY SYSTEM

Producing instant replays of live televised sporting events is always a fast-paced and demanding job

- Mira meets the critical requirements of reliability, instant responsiveness, superior image quality, and interoperability within live production workflows
- AirCleaner is the world's most popular profanity elimination delay device and ensures that you can eliminate any unwanted content from your live broadcasts while maintaining program continuity





SPOTLIGHT ON CONNECTIVITY

Routers, Multiviewing, and Broadcast Control

- Ultrix Routing and AV Processing Platform
 - Baseband and IP video and audio routing from 1.5G to 12G UHD, Fiber, ST2110
 - MultiViewers and monitoring
 - Processing audio processing, frame synchronizing, clean/quiet switching, and audio mixing
 - Ultricore BCS control system for basic configuration, control and monitoring and with advanced features to manage complex tie-line systems and/or new IP topologies for small to large scale applications.
 - Comprehensive suite of control panels including basic push button, LCD button, and the industry first, Ultritouch touchscreen-based integrated system control panel
 - NK Routers cost effective, compact high performance routing platform for basic routing applications



SPOTLIGHT ON CONNECTIVITY

KVM and Tally

• TSI-4000 Tally Control

All your tally signals managed via one smart control environment – great for large and complex systems

• pro-xi 100 Workstation Integrator

- Improves decision-making workflow for operators in Command and Control
- Strengthens ROI while reducing error rates and operational costs
- Allows simultaneous monitor and control of multiple, disparate computers



SPOTLIGHT ON SIGNAL PROCESSING

Signal Processing – openGear, SoftGear and inGear

• openGear

- Created by Ross, the world's only open signal processing platform. Choose from dozens of manufacturers products
- Modular design with 20 card slots
- Ross has a full range of SDI video and audio processing cards from 1.5 to 12G processing. Gator, AMX, MC1-UHD and more

• inGear

Sync Reference Generator, Point of Use Modules for IP conversion and more

• SoftGear

- Advanced, software-based processing system on a computer appliance
- Virtualized platform using microservices
- Broadcast Audio Processor Loudness, Watermarks and Dolby Encoding
- Radio Audio Processor with Orban Processing
- Streaming Gateway IP streams to/from SDI





SPOTLIGHT ON PIERO

 PIERO is an award-winning sports graphics analysis tool which employs visual or hardware tracking using encoded camera heads to overlay tactical graphics on sports content. PIERO brings new angles to every game, on the screen and in the studio, with visually engaging and informative effects

Piero Lineup

- PIERO Broadcast for replay explainer graphics
- PIERO Live for real-time display of offside and first down lines
- PIERO Club is a coaching tool for visually communicating strategy and tactics with players





SPOTLIGHT ON NEWS AND SOCIAL MEDIA

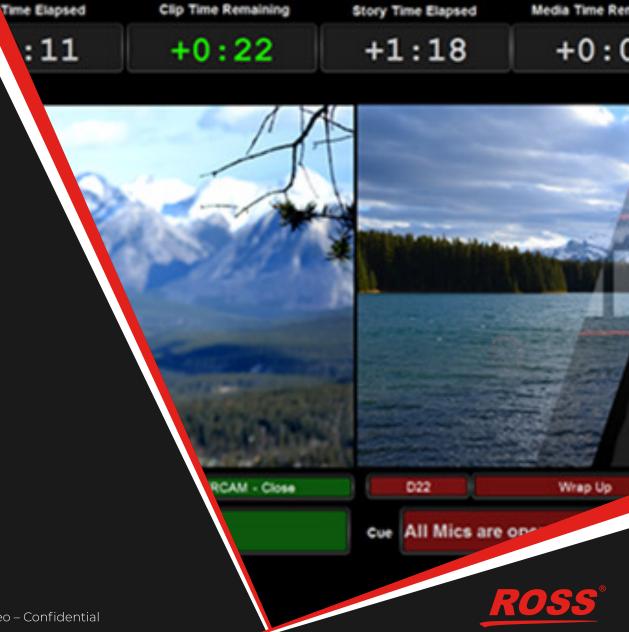
- Inception is the world's most innovative newsroom computer system and social media management tool
- Inception sits at the core of the end-to-end news workflow. It allows users to easily create content remotely, manage social media and plan new ideas
- Inception is available as a cloud-hosted SaaS offering in addition to on-premise



SPOTLIGHT ON CONTROL SYSTEMS

- OverDrive is the most advanced Automated Production Control (APC) system enabling the most sophisticated productions on the planet. With nearly 400 systems onair, it offers unparalleled choice with integration to more than 220 different production devices
- DashBoard provides control and monitoring to hundreds of products from over 50 partners within the openGear, the DashBoard Connect ecosystem and most Ross Video products
- Lightning Control System enables even a single person to produce assembly meetings in HD quality with graphics and multi-camera operation
- PowerPlay helps users centralize device control to a single server and simplifies playout and scheduling of production and environmental devices for any live event – venue, corporate, faith based, or broadcast

6PM-4/24/2017-NEWS



SPOTLIGHT ON ASSET MANAGEMENT & STORAGE

- Streamline Production is designed to bridge the gap between the newsroom computer system (NRCS) and playout server. Create placeholders, search customizable metadata and select the clip needed to tell the story. Use rules-based workflows to move content between locations and servers
- Streamline Graphics is designed to work alongside XPression motion graphics workflow to organize asset requests, search existing assets and easily add them to on-air graphics with ease
- EVO is the ultimate high-capacity and high availability storage system specifically designed for video applications
- Primestream is an award-winning asset management platform proven to arm some of the world's top media creatives with the best-in-class solutions to capture, produce, manage and distribute their most valuable assets.



SPOTLIGHT ON PRIMESTREAM

- Powerful and easy to use
- Solutions for live and file-based ingest, transcoding, logging, search, editing, review and approve, playout, file-based distribution, and nearline and cloud archiving.
- Scalable and highly configurable across markets, platforms and infrastructure to ensure long term flexibility and value.
- Key Solutions:
 - Primestream MAM for managing content, automating workflows and improving collaboration through out the media creation lifecycle.
 - Media IO for real-time capture of IP and SDI sources

THE ROSS COMMITMENT

Your success is the priority of the entire Ross Video family.

Customers and Business Partners, as part of our family, all have direct access to our CEO, David Ross.

in

ROSS

dross@rossvideo.com

https://www.linkedin.com/in/david-ross69031913

Ross Code of Ethics

- We will always act in our customer's best interest
- We will do our best to understand our customer's requirements
- We will not ship crap
- We will be great to work with.
- We will do something extra for our customers, as an apology, if something big goes wrong and it's our fault
- We will keep our promises
- We will treat the competition with respect
- We will cooperate with and help other friendly companies
- We will go above and beyond in times of crisis

If there's no one to authorize the required action in times of company or customer crisis – do what you know in your heart is right. (You may rent helicopters if necessary)



CONTINUING THE CONVERSATION

Website:

www.rossvideo.com

Community Platform Ross Live: https://livinglive.community/home



OPTIONAL SLIDES





ROSS CREATIVE & PROFESSIONAL SERVICES

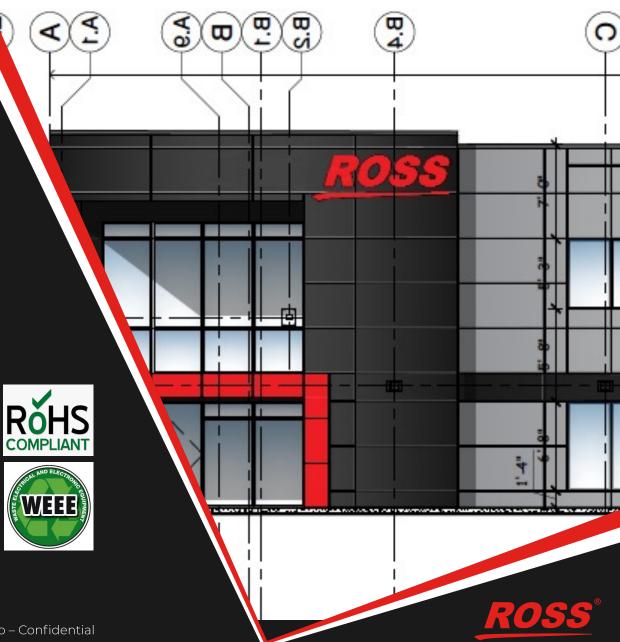
Let Rocket Surgery help you realize your vision and bring your brand to life. <u>www.rocketgfx.com</u>

- For XPression, Voyager, and DashBoard customers in broadcast and venue production, Rocket Surgery offers unmatched design and data integration expertise because we have exclusive insight and input into Ross' advanced system
- From broadcast graphics and animation and dazzling arena displays, to groundbreaking virtual sets and augmented reality, you get access to experts with the know how to maximize production value



OUR ENVIRONMENTAL COMMITMENT

- Environmental sustainability has been a focus at Ross for more than a decade
- Restriction of Hazardous Substances (RoHS) & China RoHS and Waste Electronic and Electrical Equipment (WEEE) compliant
- Emission-free Manufacturing Processes (air, water, noise)
- Sustainability in sourcing local sourcing, lower carbon shipping, recyclable packaging
- Major facility expansion using low carbon technologies, with integrated solar power
- Working toward a Net Zero Carbon Factory

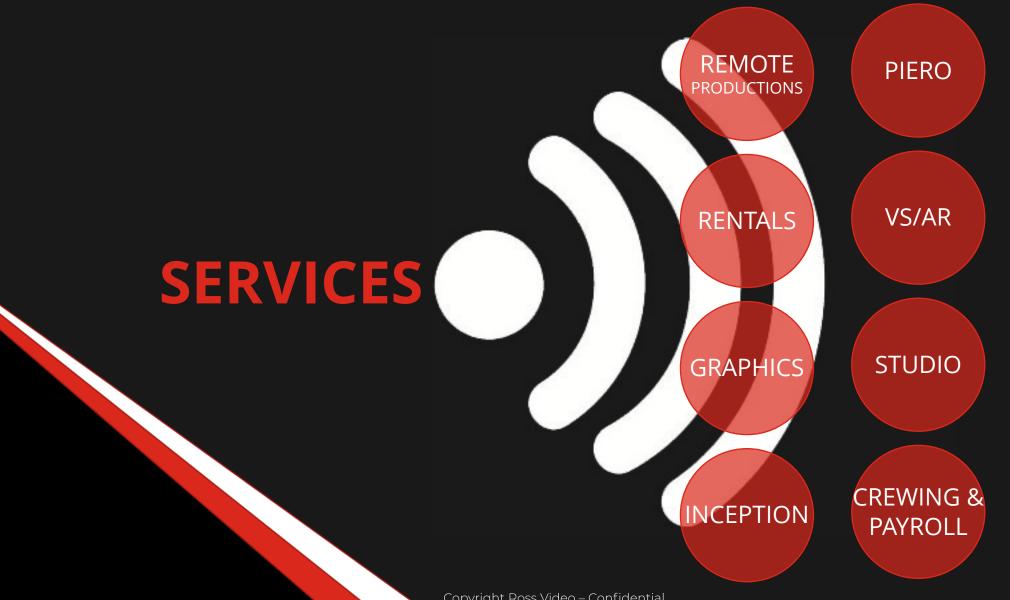


OUR MANUFACTURING & SUPPLY CHAIN

- Ross products are manufactured at our world class Iroquois, Canada facility
- Fully IPC qualified staff and state of the art Surface Mount Technology processes in 70,000 square feet
- 55,000 square foot expansion now underway
- Coordinated local and global sourcing
- Major, ongoing investments in New Product Introduction
- Quality and service drive all that we do



ROSS PRODUCTION SERVICES (RPS)



Copyright Ross Video – Confidential

20

A PASSION FOR LIVE PRODUCTION

- Ross creates technology, solutions and services for the live production industry
- Ross has a unique position in the industry thanks to our focus, and the breadth and depth of our portfolio
- Ross solutions enable customers to develop *High Impact, High Efficiency* live productions

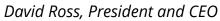


Ross, Technology deployed in the LED Control Room for 86th edition of the NFL Draft



THIS IS WHO WE ARE











Privately Owned, Founded in 1974 Majority Owned by David Ross >200 employee shareholders



Self Funded, & Debt Free 29 Years Consecutive Growth

Revenue Keeps on Growing; ~15% CAGR



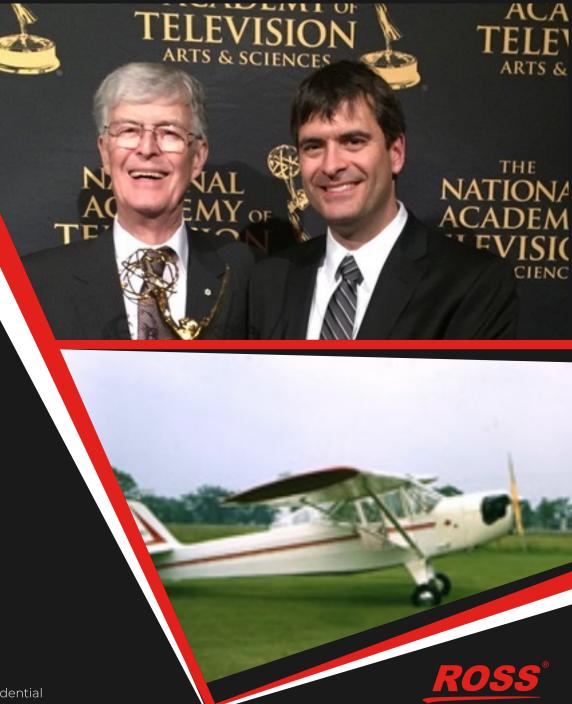
Copyright Ross Video – Confidential

OUR ORIGIN STORY

 John Ross founded Ross Video in 1974 in his basement in Montreal, Canada

 John sold the World War II trainer airplane he had painstakingly rebuilt over a twoyear period for \$3,500 and used the money as seed capital to start the company

 To this day, this is the only investment that has been made in Ross Video, which has been self-funded since then, growing organically through reinvestment of profits from operations

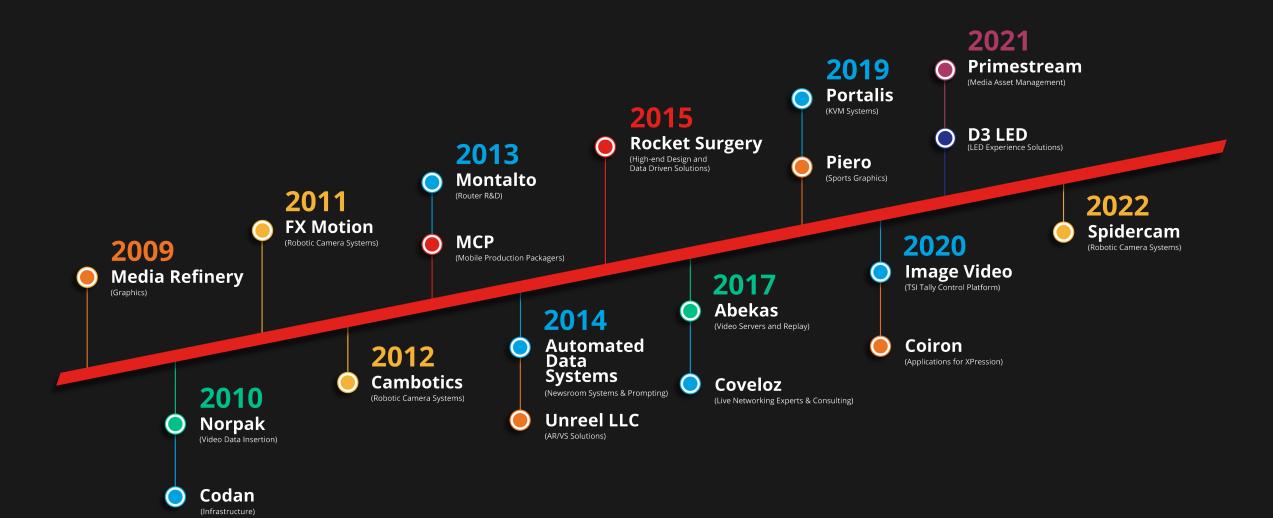


AWARDS & RECOGNITION

- Ross Video's commitment to innovation and the advancement of the broadcast industry has resulted in many awards
- Proud moments were the Annual Technology & Engineering Emmy[®] Awards in 2016 for openGear and then again in 2017 for the development and standardization of the **MOS** protocol



ACQUISITIONS HELP DRIVE GROWTH & SOLUTIONS





TEAM ROSS - IT'S HOW WE PLAY

- 1. We make inspired contributions
- 2. We are hardworking, balanced individuals
- **3.** We continually develop our skills
- 4. We are honest
- 5. We communicate effectively

- 6. We take the initiative
- 7. We get the job done
- 8. We are problem solvers
- **9.** We debate and then decide
- 10. We treat each other with respect
- **11**. We are good team members
- **12.** We are fully committed

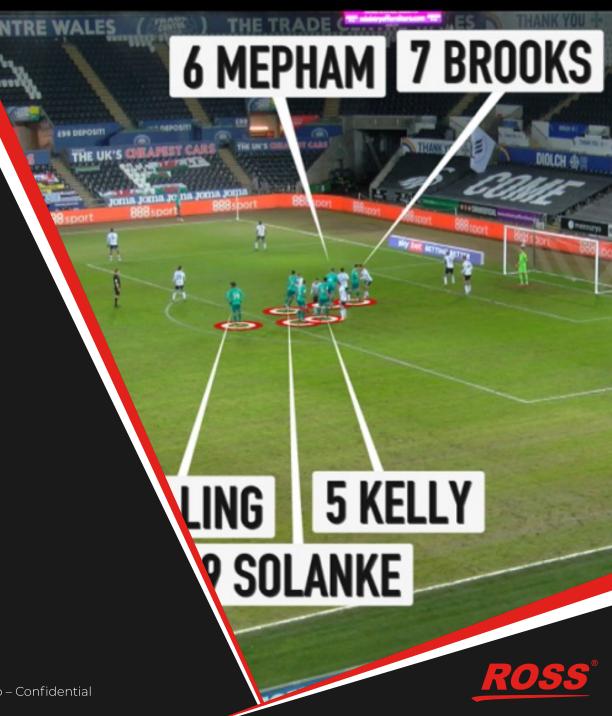


SPOTLIGHT ON PIERO

 PIERO is an award-winning sports analysis tool that uses image recognition or encoded camera heads to overlay tactical graphics on sports content. PIERO brings new angles to every game, on the screen and in the studio, with visually engaging and informative effects

Piero Lineup

- PIERO Broadcast for replay explainer graphics
- PIERO Live for real-time display of offside and first down lines
- PIERO Club is a coaching tool to better communicate with players in game strategies and tactics



SPOTLIGHT ON S2 LIFT

- Adapted S2 lift to work "upside down"
- Produces more interesting and dynamic moving shots
 - Adds silky smooth elevation to dolly shots
 Furio and CamBot
- Supports real-world payloads
 - Designed for net payloads up to 30 Kg
 - Easily supports a full-size camera and prompter
 - Not limited to just a box camera and lens

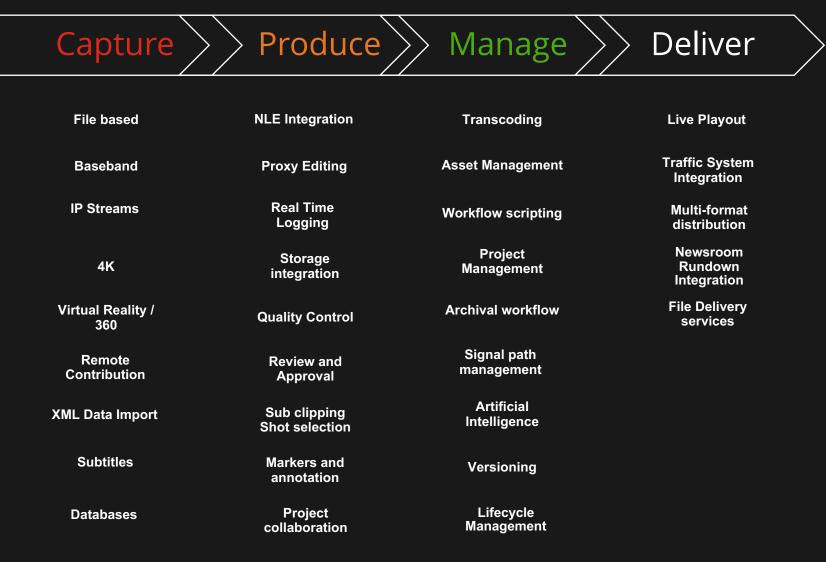
Sky Dolly gets a lift!

SPOTIGHT ON XPRESSION

- XPression Real-Time Graphics Platform with Video Codec with support for HDR, WCG and UHD
- XPression Remote Sequencer Updates
- XPression Sequencer Gateway for non-MOS workflows
- AE Graphics as a new provider of XPression Services
- XPression Elect-it! Server and XPression Electit! bundled with Rocket Surgery election graphics
- XPression HTML5 plug-in to include Clips, UX and Maps
- DashBoard API will be free in version 10 for XPression Studio owners



PRIMESTREAM SOLUTIONS





PRIMESTREAM TRUSTED BY MARKET LEADERS





LIVING LIVE WITH ROSS



- Ross Technology is used amaze fans at Allegiant Stadium, home of the NFL's Las Vegas Raiders in Las Vegas, Nevada, USA
- Ross Equipment can be found in both the LED Display Control Room and Production Control Room
- Ross Products & Services
 - Carbonite Black with C2S Panel; Encoders & and OGX frames; Ultrix FR5 Routers; XPression Tessera Masters, Nodes and Mosaics, and XPression Studio; Tria 8-channel; and DashBoard



LIVING LIVE WITH ROSS



 Ross Technology provides 3D real-time graphics for live streaming financial news coverage from Yahoo Finance! Studio in New York City, USA

Ross Products & Services

 XPression 3D real-time graphics platform, Streamline for Media Asset Management and Ross Inception Newsroom Management system



LIVING LIVE COMMUNITY

- A community platform for professionals working in live production
- We're here to learn, share ideas, and solve problems
- Be a part of the Living Live Community
- https://livinglive.community/home

