



**w<sup>t</sup>vision**

# PCR SOLUTIONS

GRAPHICS AND VIDEO CONTROL

# INDEX

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<b>A Powerful PCR</b>	<b>3</b>
wTVision's PCR solutions provide all the tools necessary for any live production.	
<b>On-Air Graphics and Video Controller</b>	<b>4</b>
Studio CG makes it easy to manage your production workflow for news, sports, financial and entertainment shows.	
<b>Graphics and Video Workflow</b>	<b>5</b>
Studio CG controls all major graphic engines in the market and our own graphic engine. Integrates with wTVision Media Playout Server and third-party video servers.	
<b>Multiple Integrations</b>	<b>7</b>
Our plugins integrate into non-linear editing (NLE) workflows and with the major newsroom control systems (NRCS) in the market.	
<b>Social Media Content Curation</b>	<b>10</b>
Moderate, sorte and search content, manage hashtags, generate playlists and create polls.	
<b>Expand Your Channel</b>	<b>11</b>
With over 100 plugins, Studio CG is ready for any challenge presented by any channel.	
<b>Technical Architecture</b>	<b>12</b>
Having Studio CG as your platform of choice will dramatically shorten your project development time.	

# A POWERFUL PCR

wTvision's PCR solutions provide all the tools necessary for a live production: real-time graphics, video playout control, newsroom system integration, NLE integration and ingest.

**Studio CG** connects to graphic engines and video servers, generating outputs that enhance your broadcast. Media tracking, transfer, searching and cataloging capabilities are also provided through **wTvision Media Manager** ([read more](#)).

Studio CG can be entirely customized for your special events, **entertainment shows or news productions**. Having Studio CG as your platform of choice will dramatically shorten **your project development time**.

## Our services cover:

- Project requirements analysis
- Contest/Game rules definition
- Project development (plugins, mobile apps development, among others)
- User interface development
- Graphics design and implementation
- Live operation service
- Augmented Reality graphics





# STUDIO CG

One interface, two workflows



Studio CG is a powerful integrated solution allowing broadcasters to manage and control on-air graphics and videos for live shows, all from one single interface.

Our studio solutions make it easy to manage your production workflow for news, sports, financial and entertainment shows.

# GRAPHICS WORKFLOW

**Studio CG** controls all major graphic engines in the market (Unreal Engine, Vizrt, Avid, Ross Video, among others) and our own **R<sup>3</sup> Space Engine**, for a complete integrated workflow.



## INTUITIVE DATA ENTRY FORMS

Our software detects the data entry fields of your graphic templates, creating **intuitive entry forms** for manual input. This time-saving process lets you easily introduce new graphics templates and start using them effortlessly.

## EXTERNAL DATA SOURCES

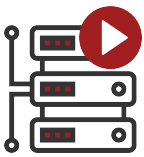
**Studio CG** can receive data from different external sources: XML, RSS, TXT, CSV, XLS, XLSX, JSON, Google Sheet, OpenWeather, Weather API and Polygon, among others.

## INTELLIFLOW

**Studio CG** possesses an intelligent scene transitioning system enabling you to visually define the way you want your graphics to interact. You can define the kind of graphics displayed simultaneously and implement procedures for the transitions.

# VIDEO WORKFLOW

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## VIDEO SERVER INTEGRATION

Studio CG integrates with wTVision Media Playout Server and third-party video servers.



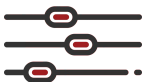
## MULTIPLE OUTPUTS MANAGEMENT

With Studio CG it is possible to queue and play out multiple videos to separate outputs from a single point of operation.



## MAM INTEGRATION

Studio CG integrates with MAM Systems (wTVision's Media Manager or third-party software). This integration allows journalists to search and access previously catalogued videos.



## VIDEO SWITCHER INTEGRATION

Studio CG is capable of integrating and controlling all major video switchers. GPI triggers can be used to complement workflows as Studio CG supports both input and output triggers.



## NEWSROOM SYSTEMS INTEGRATION

Studio CG seamlessly integrates with all major newsroom systems, allowing journalists to search, sequence, edit and preview media and graphics from their workstation. Everything is synchronized with Studio CG in real time.

# NLE PLUGIN

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Studio CG NLE Plugin integrates wTVision's graphics workflow into the non-linear editing (NLE) workflow.

Currently available for Adobe products, it allows users to get access to their on-air graphics library and apply them onto video clips. The NLE Plugin supports complex animation sequences using Intelliflow and the NLE Editor. You may define each animation's duration for fine-grained control of the desired output.

With NLE Plugin we can also import sports data such as league tables and rankings or any other data feed available in Studio CG.

# DATA INTEGRATION

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## SOCIAL MEDIA FEEDS

Thanks to a dedicated plugin, operators can import curated content and media from social media networks to your local storage. Studio CG manages the information and transforms it in broadcast graphics.



## NEWSROOMS

By integrating with major newsroom systems, journalists and producers can choose video clips, images and graphic templates for their stories and fill out the relevant information directly from their workstations.



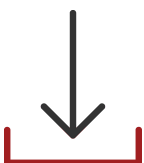
## MANUAL INPUT

CG operators can directly input data into Studio CG using the intuitive forms automatically generated for each graphic template.



## EXTERNAL DATA SOURCES

Studio CG can receive data from different external sources: XML, RSS, TXT, CSV, XLS, XLSX, JSON, Google Sheet, OpenWeather, Weather API and Polygon, among others.



## DOWNLOAD MANAGER

Go Get is a user friendly tool to continually import information from external online sources (e.g. weather, financial, sports). It keeps local copies of external data and guarantees data is readily available and ready to air.



# NRCS INTEGRATION

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**Studio CG** can be integrated with a growing list of newsroom control systems including the main NRCS in the market: **ENPS, iNEWS, Octopus, ARION** and **MediaCentral | UX**. This integration is carried out with **MOS Protocol**.

This integration allows journalists, producers and operators to:

- **Search:** media and graphics stored on the server.
- **Sequence:** graphics and video clips into their show's rundown.
- **Edit:** the right template for your information and fill in the specific data. You can also fetch data from external data sources automatically.
- **Preview:** Studio CG Preview Server provides the journalists with a final format preview of their content, ensuring the final composition looks pixel perfect. This system serves multiple journalists simultaneously and provides updated screenshots every time a change is made, directly on the NRCS interface.
- **Automation:** it is possible to add the video rundown with the corresponding graphics associated (with the start and ending schedules), which will then be automatically launched.



# SOCIAL MEDIA CONTENT CURATION

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**Studio CG** is able to integrate with social media content curation tools to receive content from social media networks, transform it in impactful on-air graphics and display it in real-time.

Currently integrated with the Flowics social media content curation platform, it allows producers to create multiple interactive experiences such as conversations, polls, quizzes and competitions. Operators can set up rules to filter information, choose the most relevant content and display it through on-air graphics. The solution allows monitoring content on Twitter, Instagram, Facebook, Facebook Live, Youtube Live, Twitch and WhatsApp.

**Studio CG** has a dedicated plugin that automatically import all moderated content and download the relevant media, guaranteeing a safe broadcast environment with all local content in your control room.

Other social media content moderation sources can also be used to enhance your broadcast.

# EXPAND YOUR CHANNEL

With over 100 plugins, Studio CG is ready for any challenge presented by any channel.



## VOTING SYSTEMS

Integrates information from different voting systems (e.g. receiving live audience feedback).



## MULTIPLE OUTPUTS

Controls multiple outputs simultaneously for video walls and on-air graphics.



## REAL-TIME FEEDBACK

Supplies real-time lights, scoring or video-wall feedback, based on live action during any show.



## PHONE CALLS AND SMS

Integrates with phone operators, receiving different voting types and managing the information in real time.



## EXTERNAL PERIPHERALS

Controls external peripherals such as clocks, buzzers and lights.



## SCOREBUG

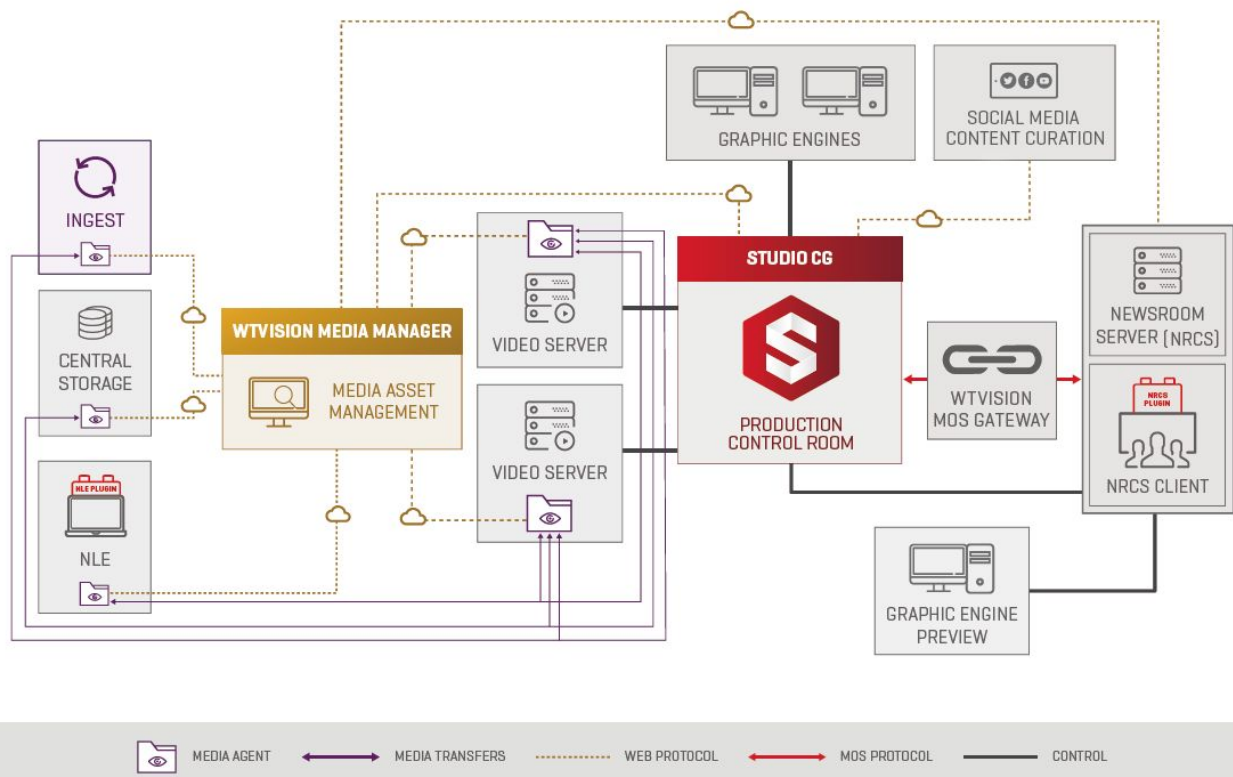
Easily manage the time and score of a sporting event during the broadcast.



## TICKER MANAGEMENT

Plays tickers feeds from external data sources.

# TECHNICAL ARCHITECTURE



Studio CG can be entirely **customized** for your live shows, newscasts and entertainment shows.

Studio CG is ready for any challenge, even if we are talking about a complete TV Show with a deep level of integration and automation. It **includes graphics, lights, sound, voting systems, timers** or whatever you would like to add!

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Give your show a new life!

**CONTACT US NOW**

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