

Stadium Fan Experience

Ross Video and OSEG

Possible technologies involved: Programming, Graphic design.

Expected cost of the project: \$50 or less

Expected time to completion: Design day date**

Expert: James Peltzer (jpeltzer@rossvideo.com).

Client:

Client Names: Ross Video (designchallenge@rossvideo.com) and OSEG (cmurphy@oseg.ca).

Client Background: Ross (www.rossvideo.com) powers video productions for billions of global viewers daily with the industry's widest range of high impact, high efficiency production solutions. Ross makes it easy to create compelling news, weather and sports broadcasts, engaging material for sports stadium screens, entertainment shows and rock concerts, educational institutions, legislative assemblies, corporate applications and inspiring content for houses of worship. Ross solutions have impressed the audiences and marketing partners of NBC Sunday Night Football, Eurosport, BBC World, Google YouTube Space London and China's eSports powerhouse VSPN. Ross delivers an unrivalled range of products and services comprising virtual studios, real-time motion graphics, cameras, robotic camera systems, production switchers, video servers, infrastructure and routers, social media management, newsroom systems and mobile live events.

The Ottawa Sports and Entertainment Group (OSEG) manages and programs events in the TD Place stadium arena complex and manages facilities and maintenance throughout the centrally located, 40-acre Lansdowne district. It was originally founded in 2008 to bring football back to Ottawa and helped with the major renovations and transformation of Lansdowne.

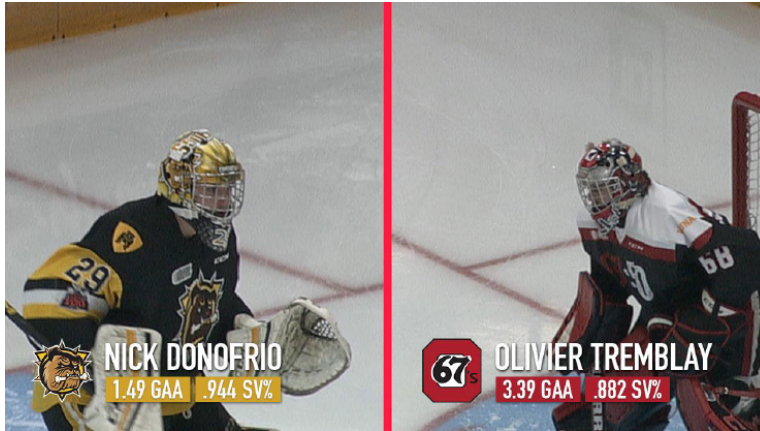
Project background:

The TD place hosts many sporting events and will be **opening in the Fall** for in-person inside attendance to various events. They are looking for new and fresh content to engage and excite fans, focusing on the Ottawa 67s Scoreboard Show. The TD place has a visual display that can be used anytime during the event and can be controlled with software called XPression.

DashBoard is a free and open platform from Ross Video for facility control and monitoring that enables users to quickly build unique, tailored Custom User Interfaces that make complex operations simple. Its ability to craft application specific solutions across this breadth of products is what makes DashBoard so special. The power of DashBoard is that it can be tailored to control a large array of devices using standard protocols supported on a PC – IP, Serial, OSC (Open Sound Control) etc. Equipment in the Lansdowne facilities already have DashBoard compatible equipment.

There are many different items in this project that will create a user interface for easy modification and combination of data with graphic design. You can choose one or multiple, however it is crucial that the operator has an intuitive understanding of the user interface and it is accessible and easy to use since they need to find specific functions during game play in a fraction of a second. All elements need to be easily configurable since the information changes every game.

- Team setup
 - Set logos for the Home and Away teams
 - Set a primary graphic color for the Home and Away teams
 - Set a secondary graphic color for the Home and Away teams
- Goalie matchup: present graphics that incorporate live video of goalies on both teams, which include their name, goals against average and save percentage



- Standing/stats: graphics that include variables for the following sports statistics
 - Eastern and Western Conference Standings
 - League Points, Goals, Assists and +/- Leaders (Top 5)
 - League GAA and SV% (Top 5)

EASTERN CONFERENCE STANDINGS

	GP	W	L	OT/SO	PTS
1 XY - OTTAWA	61	49	11	1	99
2 X - SUDBURY	63	34	27	2	70
3 X - PBO	62	37	21	4	78
4 X - OSHAWA	62	31	20	11	73
5 X - BARRIE	62	28	28	6	62
6 X - MISSISSAUGA	61	27	29	5	59
7 X - HAMILTON	62	24	30	8	56
8 KINGSTON	62	19	39	4	42
9 NIAGARA	62	18	38	6	42
10 NORTH BAY	62	17	41	4	38

LEAGUE LEADERS POINTS

MARCO ROSSI 116	COLE PERFETTI 110	CONNOR MCMICHAEL 102	PHILIP TOMASINO 100	ARTHUR KALIYEV 98
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- Full page sponsor elements
 - Drop in 16:9 sponsor graphics
 - Store 6-8 sponsors per game
- Fan birthdays (amount changes depending on game)
 - Birthday graphic containing an image and short birthday message which all play back to back with a set (configurable) duration
- Three stars
 - Must be able to change names last second
 - Names revealed from third star to first star one at a time, at the end all three names on screen
 - Need to be able to trigger when each name appears, so that the operator can follow along with the PA Announcer



- Sponsor 'bugs': sponsors pay for a small logo in the top corner of the screen during a Penalty Kill and a Power Play
 - Buttons to cue up "Sponsor Bugs"



- Make noise/Crowd prompts
 - Cue up either by random or specific Make Noise or Crowd Prompt animation graphics
 - Have anywhere from 15 to an unlimited number of crowd prompt videos/animations

Past experience / attempts:

Another section of this class has worked on a similar problem and the solutions were used to refine the scope of this proposal, you can find their attempts here: https://makerepo.com/project_proposals/143.

Project schedule:

Meeting	Time	Day	Location
1	13h-14h30	Friday Sep 24	Online
2* (lab 3)	11h30-14h30	Thursday Oct 14	Online
2* (lab 2)	14h30-17h30	Friday Oct 15	Online
2* (lab 1)	14h30-17h30	Friday Oct 15	Online
3	11h30-13h	Tuesday Nov 9	Online
Design day	TBD	Thursday Dec 2	Online

* Meet 2 should only take 1.5 hours from the time slot and not 3 hours

Meeting 1: intro and description of the project

Meeting 2: feedback on initial concepts presented by the groups

Meeting 3: feedback on the first prototype presented by the groups

Design day: evaluation of the groups and their final prototype