

# Touché

## LIGHTING CONTROL



## General Motors Case Study

### The Challenge:

In 2015, General Motors announced that it would invest \$1 billion into its sprawling Warren Tech Center campus in Warren, Michigan. Projects include new design studios, parking structures, renovation of existing research and development buildings, construction of a new multi-story information technology building and renovation of its existing Vehicle Engineering Center. Mark Reuss, GM's head of global product development, purchasing and supply chain shared that "the technical capability that is needed for the future of transportation is quite different than it was in the 1950's...to do that we need the best facilities, best studios, the best labs, the best workflows."

With such a sprawling campus, it was critical that GM choose a state-of-the-art lighting control solution that could address each building's and floor's individual needs but also allow for future open-ended expansion of the system.



### The Solution:

Touché's state-of-the-art touch screen wall stations and Ipad interfaces have been able to provide a user experience consistent with GM's desire for cutting edge engineering and design facilities. Even more importantly, Touché's modular approach to lighting controls will enable GM to seamlessly expand and adapt their system when the need arises. If GM had chosen a large, centralized control system, they would have been completely constrained to their original lighting specifications. Or, if they had chosen a room-based system for its flexibility, they would of been challenged in unifying multiple rooms and controlling their larger, open spaces. With Touché's flexible "block-based" approach they had the best of both worlds - individualized controls with full flexibility and scalability - all done simply.

### The Result:

General Motors now has a control system that will provide them with scalability and flexibility far into the future. Even the installation electricians on the project were impressed, sharing that the Touché systems "are the coolest, best technology controls they have installed to date." So, the next time you see a brand new GM concept car at the Detroit Auto Show, it likely will have been designed under technology provided by Touché Controls.

### By the Numbers:

702	quantity of controlled loads
684	quantity of auto-calibrating sensors
478	quantity of touchscreen wall stations
13	number of floors controlled (3 separate buildings)
0	DIP switches or dials to adjust on system devices