

GENIVI Graphics Team (GGT) Working Session

Richard Rowe
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GENIVI®

15:46

Thursday, July 27



GGT - Overview



GENIVI Graphics Team (GGT) formed!

[GGT Wiki link & Charter](#)



GGT IVI Style Guide Created for Developers!

[Style Guide link](#)

[Graphical Asset File Storage link](#)



GGT HMI for GDP 11 Developed & On Show!



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GGT Members

Members – More welcome!

- ☐ Richard Rowe – GGT Leader: Jaguar Land Rover
- ☐ Maxime Paul – GGT Project Co-ordinator: Jaguar Land Rover
- ☐ John Lehman – GGT Marketing: Jaguar Land Rover
- ☐ Jon Sims – GGT Video , Animations & Visual Design: Jaguar Land Rover
- ☐ Traci Renner – GGT Branding: Inventures
- ☐ Roland Krause – GGT Architect: ICS
- ☐ Justin Noel – GGT HMI Developer: ICS
- ☐ Philippe Robin – GENIVI PMO Lead



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Important Links for GGT

GGT Mailing List

genivi-graphics-team@lists.genivi.org

GGT Main wiki page

<https://at.projects.genivi.org/wiki/pages/viewpage.action?spaceKey=GGS&title=GENIVI+Graphics+Space+Home>

GGT Style Guide

<https://at.projects.genivi.org/wiki/pages/viewpage.action?spaceKey=GGS&title=Style+Guide>

GGT Graphical Asset Storage

<https://at.projects.genivi.org/wiki/pages/viewpage.action?spaceKey=GGS&title=Graphical+Assets>

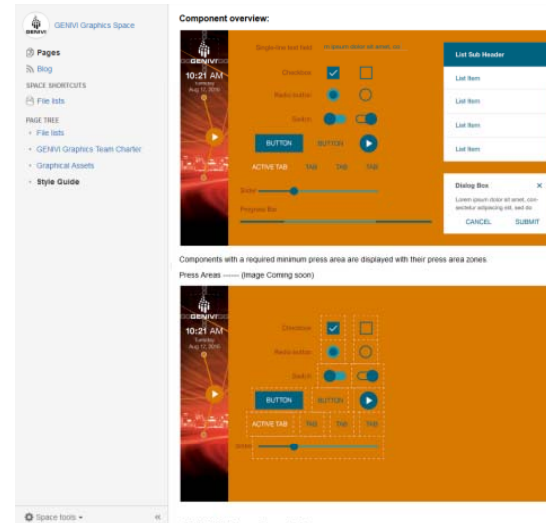
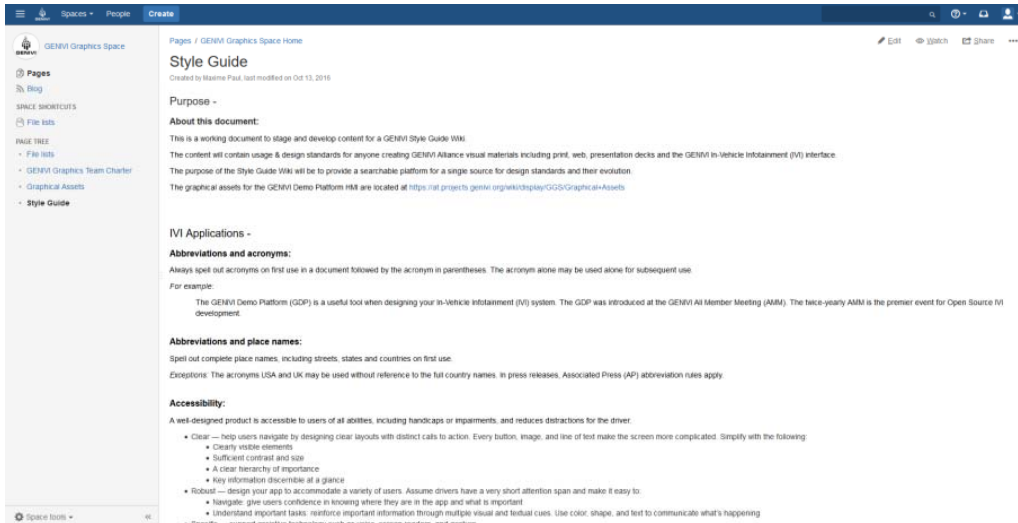


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GGT Style Guide

Style Guide created for Developers to design and create HMI components

<https://at.projects.genivi.org/wiki/pages/viewpage.action?spaceKey=GG&title=Style+Guide>



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Style Guide

Created by Maxime Paul, last modified on Oct 13, 2016

Purpose -

About this document:

This is a working document to stage and develop content for a GENIVI Style Guide Wiki.

The content will contain usage & design standards for anyone creating GENIVI Alliance visual materials including print, web, presentation decks and the GENIVI In-Vehicle Infotainment (IVI) interface.

The purpose of the Style Guide Wiki will be to provide a searchable platform for a single source for design standards and their evolution.

The graphical assets for the GENIVI Demo Platform HMI are located at <https://git.projects.genivi.org/wiki/display/GGS/Graphical+Assets>

IVI Applications -

Abbreviations and acronyms:

Always spell out acronyms on first use in a document followed by the acronym in parentheses. The acronym alone may be used alone for subsequent use.

For example:

The GENIVI Demo Platform (GDP) is a useful tool when designing your In-Vehicle Infotainment (IVI) system. The GDP was introduced at the GENIVI All Member Meeting (AMM). The twice-yearly AMM is the premier event for Open Source IVI development.

Abbreviations and place names:

Spell out complete place names, including streets, states and countries on first use.

Exceptions: The acronyms USA and UK may be used without reference to the full country names. In press releases, Associated Press (AP) abbreviation rules apply.

Accessibility:

A well-designed product is accessible to users of all abilities, including handicaps or impairments, and reduces distractions for the driver.

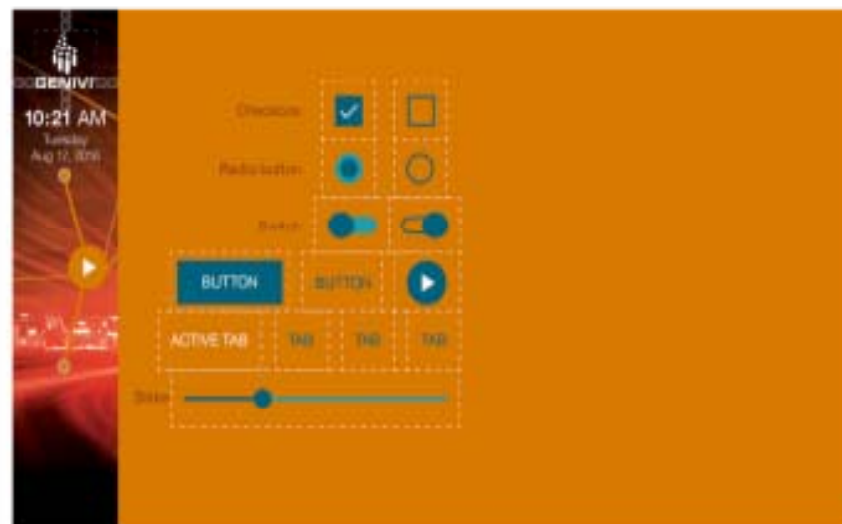
- Clear — help users navigate by designing clear layouts with distinct calls to action. Every button, image, and line of text make the screen more complicated. Simplify with the following:
 - Clearly visible elements
 - Sufficient contrast and size
 - A clear hierarchy of importance
 - Key information discernible at a glance
- Robust — design your app to accommodate a variety of users. Assume drivers have a very short attention span and make it easy to:
 - Navigate: give users confidence in knowing where they are in the app and what is important
 - Understand important tasks: reinforce important information through multiple visual and textual cues. Use color, shape, and text to communicate what's happening
- Specific — support assistive technology such as voice, screen readers, and gesture

Component overview:



Components with a required minimum press area are displayed with their press area zones.

Press Areas ----- (Image Coming soon)

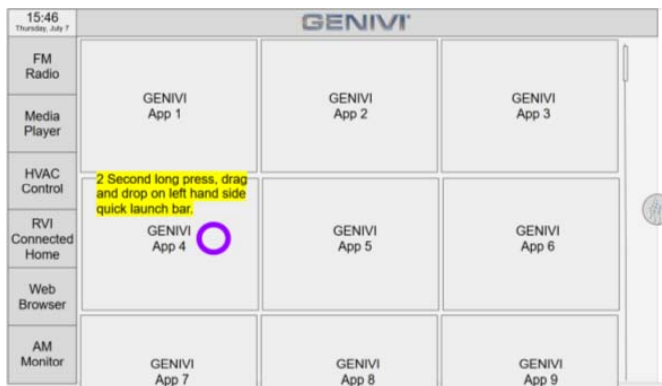


GGT HMI Developed

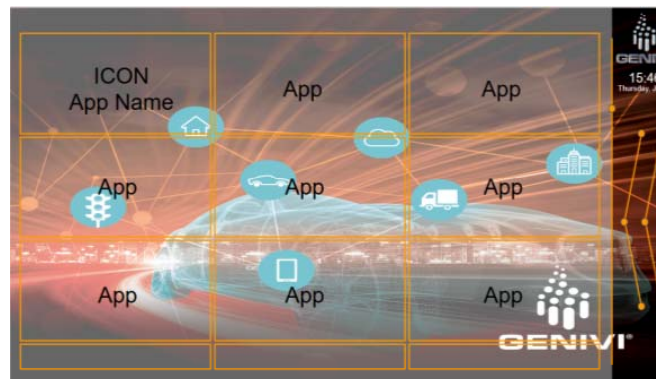


New HMI for GDP 11 has been developed using Qt and a new integration of the Launcher made to launch apps from both the collapsible side tray and the home screen.

UX Wireframes



Visual Design & Branding



Assets available for Qt Dev



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GGT HMI for GDP 11 & Simulator Testing

The New GDP HMI can be used in conduction with the Style Guide to create real automotive applications that can be tested in the Open Source Vehicle Simulator



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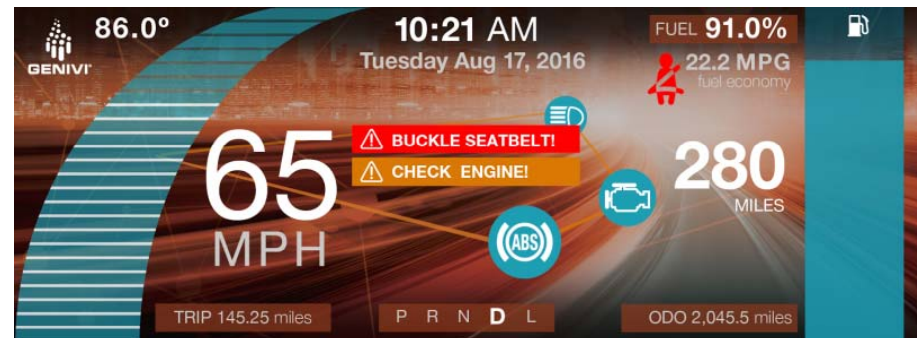
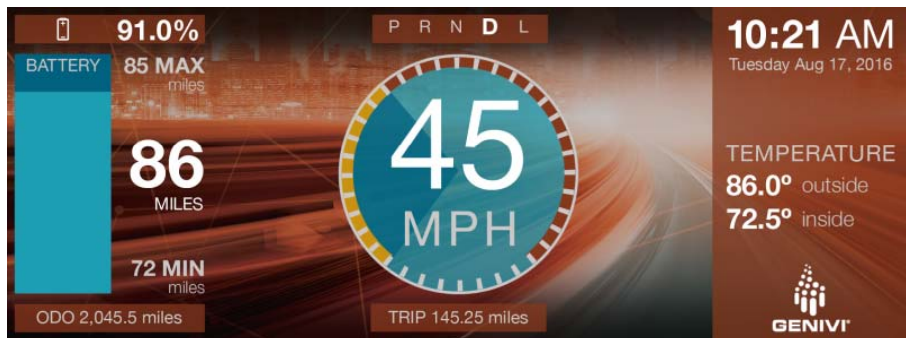
What does the Future Hold for GGT?



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What does the Future Hold for GGT?

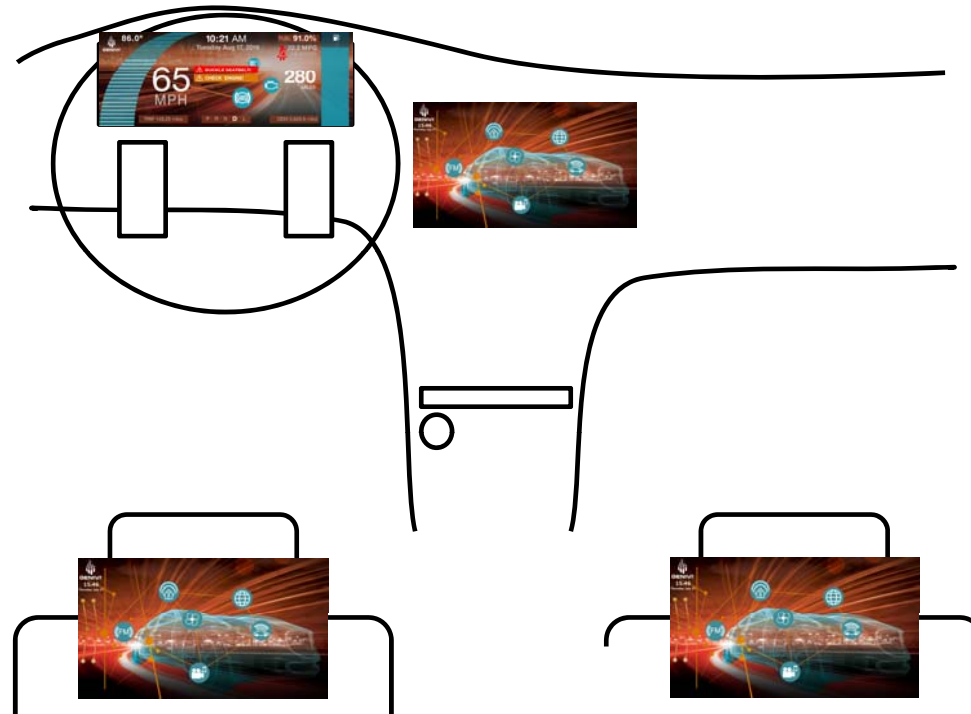
Cluster concepts. Design to Cluster Automotive requirements.



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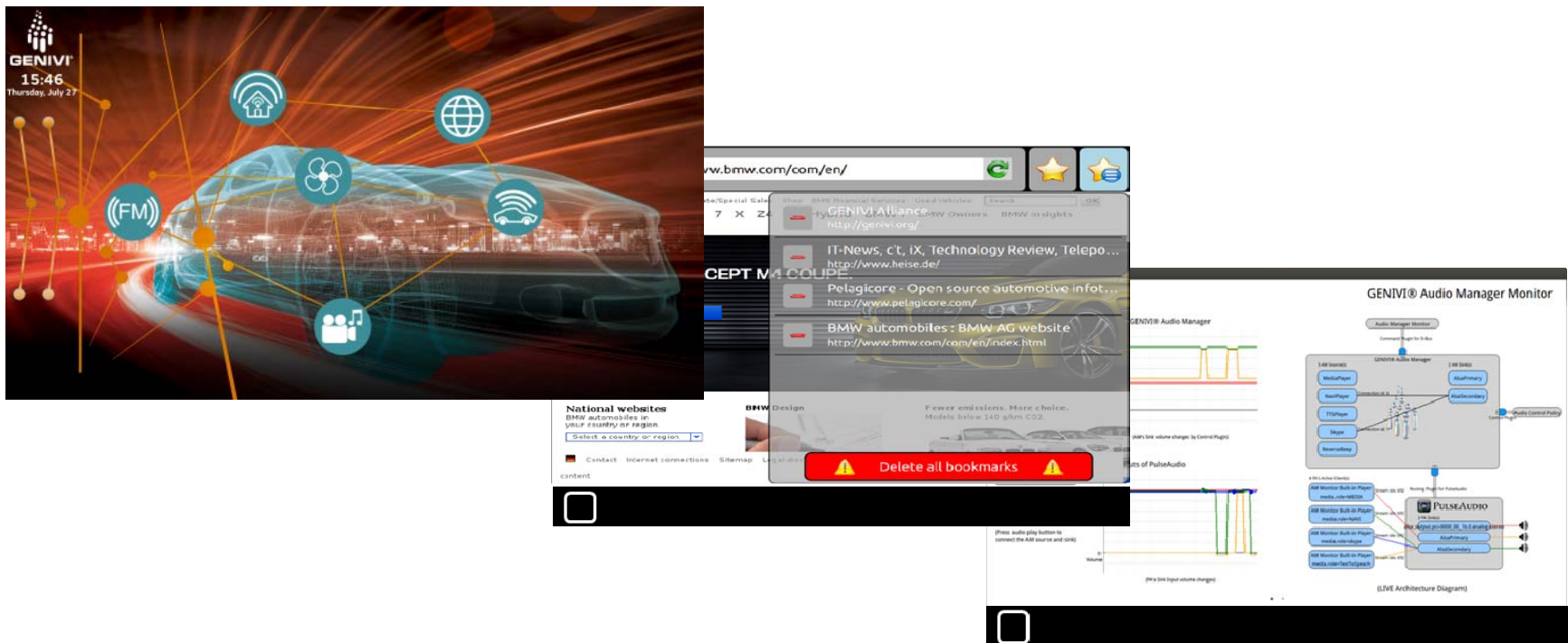
What does the Future Hold for GGT?

Multiple screens?



What does the Future Hold for GGT?

Theming of current GDP apps inline with the GENIVI brand and development platform style guidelines for a consistent IVI.



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What does the Future Hold for GGT?

Create and use QML components to create Qt applications on the platform to demo and test your ideas, or start-up technology integration , in an automotive environment.



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Thank you



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