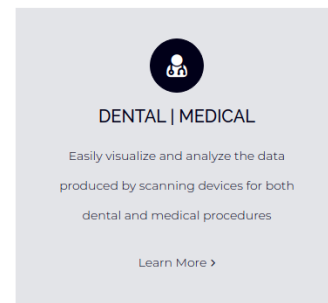
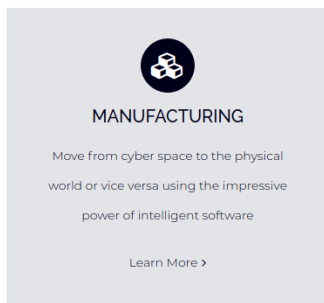


Site Update: *PGL Solutions*

Top bar Menu: Home | Services {Systems Engineering, Modeling & HIL} | Contact Us

General Notes:

- Theme/topic: this is an Engineering site
- The new site needs to be a nice merge between these sites:
 - <https://ingenia-labs.com/>
 - <https://projectgo-live.com/>
- maintain a consistent color pallet / Maintain color consistency (you can pick a new one, take one used, or something else, but the new site must be consistent throughout all pages)
- The old PGL logo will be eliminated. The NEW logo needs to be based on the Company Name: PGL Solutions (suggest a nice / interesting layout and colors for it)
- Preferred wordpress theme: Astra (as used in Ingenia page_
- Use free and simple to maintain Wordpress plugins (as much as possible – do NOT use any expensive add-ons)
- Footer:
 - North America Location: Greenville, SC
 - Email: info@projectgo-live.com
 - NO phone number
 - PGL SOLUTIONS © 2021 ALL RIGHTS RESERVED
- Some way to display the difference services (which should also be on a top menu). Example:



Pilot Systems Joins dSPACE Cooperating Partner Program

dSPACE and Pilot Systems International have agreed to enter a technical cooperation to expand value-added services and systems development expertise in the design, development, and validation of embedded systems by using the dSPACE tool chain.



Navigating Rural Areas Through the Eyes of Autonomous Sensors

MIT improves performance of autonomous controls with dSPACE MicroAutoBox.



HIL Lab

Pilot is proud to announce the opening of our fully equipped dSPACE SCALEXIO HIL test lab staffed with highly skilled validation engineers.

Home: (similar format from Ingenia Page)

WHO WE ARE

A Multi-Disciplinary Consulting and Engineering Service Provider for EV and Other Industries, with a Focus on Systematic Product Development

PICTURES??

Systems Engineering Solutions

Modeling and Hardware in the Loop Consulting

WHAT WE DO

A team of automotive, control and mechanical engineers from different industries and backgrounds and with more than 10 years of experience that came together to provide cost effective and specialized services to your organization or team in the pursue of your projects goals.

OUR SERVICES

This is just a glance at the activities and projects we can contribute to. For more details, go to our services menu or contact us to have a exploratory conversation.

Add: SYSTEMS ENGINEERING

Our Focus: Collaboration, Accountability and Feedback

Collaboration	Working together is the only way to maximize the team's potential
Accountability	Individual contributions are paramount to the team's success
Feedback	Clear Feedback methods are in place

PHYSICS-BASED MODELING AND HARDWARE IN THE LOOP

From data-driven system identification to real-time mathematical models for your simulation; we can handle that work for you. In addition, we are highly skilled on HIL testing and can support you in design and build phases to satisfy complex validation testing.

Remove: FLEET ELECTRIFICATION STUDIES, CAD DESIGN

Blogs on Systems Engineering, Softskills & Leadership

(This is the existing blog from Project Go-Live site)

Display the latest 3-4 blogs and allow the user to click more to redirect to Systems Engineering service page, where user will be able to see (scroll through) ALL blogs

Systems Engineering: (use background pictures similar to PGL or equivalent)

PICTURES/VISUAL examples:

If possible, include a V-Model diagram somewhere (could be an interesting combination of these, or something available online, that is free to use)

- **V-Model-Nav-Graphic-Vehicle-Integration**
- **Wikipedia_Systems_Engineering_Process_II**
- **<https://www.incose.org/systems-engineering>**

What we do – Systems Engineering

Systems Engineering is not Magical. Teams need to buy in, be proactive, apply agreed principles. We provide you with the tools to properly deploy a Systems Engineering process within your organization.

What we can do for you...

- Work with leaders in your organization to promote SE processes and concepts
- Provide training on Hard and Soft skills for managers and Engineers
- Teams need to buy in, be proactive, apply agreed principles

- Our Focus:
Collaboration, Accountability and Feedback

Collaboration	Working together is the only way to maximize the team’s potential
Accountability	Individual contributions are paramount to the team’s success
Feedback	Clear Feedback methods are in place

- Consulting on Engineering Documentation: Requirements Definition, Design Documentation, Design Verification Plan and Report (DVP&R), Regression vs Progression Testing
- Training for your Organization:
 - Systems Specifications
 - Validation
 - Risk Analysis and more
- In-class or virtual trainings on Stakeholder Management, Softskills, Leadership and more

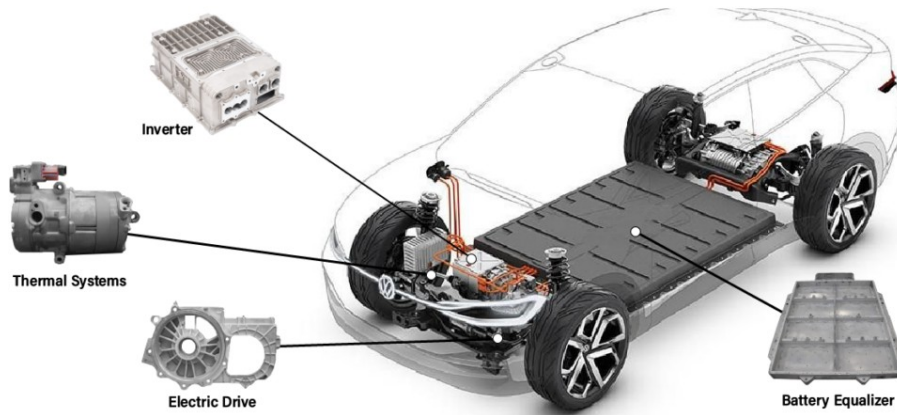
Blog:

- Allow the user to see or scroll through all blogs
- When a blog is selected, open blog in a dedicated page
- Blogs will now have to match the new theme
- Allow the user to subscribe to blogs

Modeling And Hardware In The Loop Consulting (do NOT)

PICTURES/VISUAL examples:

- <https://www.mesinc.net/critical-aspects-of-design-for-electric-vehicles/>
- <https://www.altair.com/resource/purpose-driven-electric-motor-modeling-for-multi-physics-system-simulation>



What we do – Physics-Based Modeling And Hardware In The Loop

We provide a wide range of know-how to you and your organization, ranging from component sizing and design, data-driven model optimization, low-cost rapid prototyping, and controller tuning. The uses and advantages of these advanced engineering tools are well understood by our engineers. In addition, we are ready to bring you the expertise of Hardware-in-the-Loop testing, from plant modeling to regression and progression testing.

What we can do for you...

- Analytical modeling using physics-based (differential) equations or derived empirically
- Time domain and frequency domain analysis
- Electric Motor drive controller tuning based on empirical frequency-domain data to address specific non-rigid body modes
- Model optimization based on System Identification techniques or empirical data modeling
- Hardware-in-the-Loop testing based on Matlab/Simulink:
 - definition of test harnesses
 - regression and progression testing
 - Graphical User Interface for quick test queue generation

Contact Us

Simple, match overall format

Email to: info@projectgo-live.com