

Perry's Solutions, Inc

This time we are going to create a robust product

Every project begins wanting to impress the customer, complete on time and perform smoothly. However, this tends to erode away quickly and the optimization objectives are saved for the next project or next phase. But you can achieve it now! Each section below contains a 2 minute video to expand on the topic provided. If you receive value from this video brief, please share it with your network (e.g., LinkedIn, Twitter, Facebook).

Call us to gain an advantage for your project and your company!

How can we achieve optimization or a robust design?

When we say that we want optimization or robustness, what do we mean? And what do we actually need for this project? <http://bit.ly/1fluX7W>. Can we improve things in a timely manner? This effort can lead to creating a “robust design.” <http://bit.ly/1bciKlr>.

Numerical optimization – a step towards peak performance

Countless techniques exist to identify a numerical optimal operating condition. Those techniques have additional knobs and options when using them. In my opinion, keep things simple unless you have a compelling reason to do otherwise. This will provide a high level of nominal performance of your product or process. <http://bit.ly/1mk8S07>.

Graphical optimization – look at the size of the yellow area!

Less frequently taught, but highly desirable is obtaining a stable and consistent operating area. The numerical point solution may not be very capable, and can create frustration when settings are not at the nominal – desired – conditions. Using these tools together to understand the product will provide a level of robustness. It requires information and knowledge to achieve this level of performance. Well selected data points can achieve robustness and ensure you get a return on your investment. <http://bit.ly/OGr59R>.

Have a great day!

The logo for Perry's Solutions, Inc, featuring the name "Perry" in a stylized, blue, cursive font.

651-230-3861
Perry@PerrysSolutions.com
www.PerrysSolutions.com
Solving NPD design, execution and re-plan situations

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