

# THE NUPANEL SOFTWARE ADVANTAGE

by Mitch Hughes

NUTIMES

Nuconsteel has positioned itself to change the face of the construction industry with the release of NUPANEL Software, a revolutionary program that we believe is the most user-friendly and powerful application in its class. User-friendly and powerful? Can these two adjectives both apply to one software application? While this claim may appear contradictory or even impossible, our users are telling us this is exactly what we have accomplished with NuPanel. And although ease of use and power are both very important, the advantages of NuPanel don't stop here. The ability to provide far-reaching and relevant solutions to the entire team from conception to completion while working within a single application promises to offer opportunities not previously available. These benefits are realized by everyone associated with Nucon and the NuPanel process, from engineer to owner. NuPanel software users can experience delivery of the highest quality product, in less time, and with greater accuracy. Of course, these advantages result in happier, more satisfied clients and owners alike.

Producing a truly relevant and forward thinking software product requires an approach that is inclusive of the daily input of industry leaders across a wide spectrum of experience, along with

functionality that fits within industry standards of practice. Generation of a product that satisfies these goals is no small task. For true integration with the construction marketplace, this means the product must work within AutoCAD™. Accordingly, Nucon teamed up with DSI-Engineering, an industry-leading engineering, consulting and construction management firm with more than twenty years of specialized experience in the cold-formed steel marketplace. The released product is the result of tens-of-thousands of hours of their collective effort, coordinated with other practicing engineers, suppliers, contractors, fabricators, and the team of experienced Microsoft™ and AutoCAD qualified developers of DSi-Digital. This real-world experience was combined for the specific goal of designing and developing a product that leads the way in all categories. The result is NuPanel, innovative software allowing the generation of 3-D metal stud wall framing models while working within a much simpler 2-D environment. These easily produced models, which include the ability to input scheduled doors, windows, and other features, will generate labeled and dimensioned fabrication drawings, material cut lists, bills-of-materials, erection drawings, and even communication files for roll forming equipment, all at the touch of a button. Even section cuts required for shop drawings are generated automatically. And because you're working in AutoCAD, the models and drawings may be integrated with other AutoCAD drawings and objects.

NuPanel's automation and modeling provide improvements in accuracy and efficiency that are exponential, all while working within the world's most accepted design platform, AutoCAD. Imagine having the ability to receive and transmit files and drawings with design professionals inside and outside of your firm without the need for translation, while working within an environment in which you are likely already proficient. These are but a few of the advantages of working with NuPanel. Whether generating impressive models for presentation to your client, plans and elevations for communication with the engineering team, material lists for suppliers, shop drawings for fabrication, erection drawings for the field, or responding to revisions, NuPanel allows production of beautiful documents with unprecedented accuracy at lightning speeds. So if you really want to improve customer satisfaction, reduce headaches, increase quality, and improve profits, Nucon and NuPanel can help make your dream a reality.

## *About the author:*

Mitch Hughes is the president and CEO of Differential Solutions, Incorporated, the parent corporation of DSi-Digital, a high technology Autodesk certified software development company and DSi-Engineering, a full service engineering company, all located in the Atlanta, Georgia area. In addition to being the author of several of the most advanced modeling and analysis programs in the construction industry, he has held numerous board-of-director and committee seats including, the Presidential Business Council, the National BIM Standards committee of the National Information of Building Sciences, and his current position as president of the Southeast Chapter of the Cold-Formed Steel Engineers Institute (CFSEI).

