



XPRT Leverages OPNET Modeler® to Develop Toolset for Satellite Communication (SATCOM) Network Planning



“OPNET Modeler was a natural choice for us given the tool’s flexibility and established footprint in the modeling and simulation industry. By combining XPRT’s unique SATCOM expertise and Modeler’s scalable and versatile network simulation in SNPT, XPRT has created a true end-to-end satellite network planning capability.”

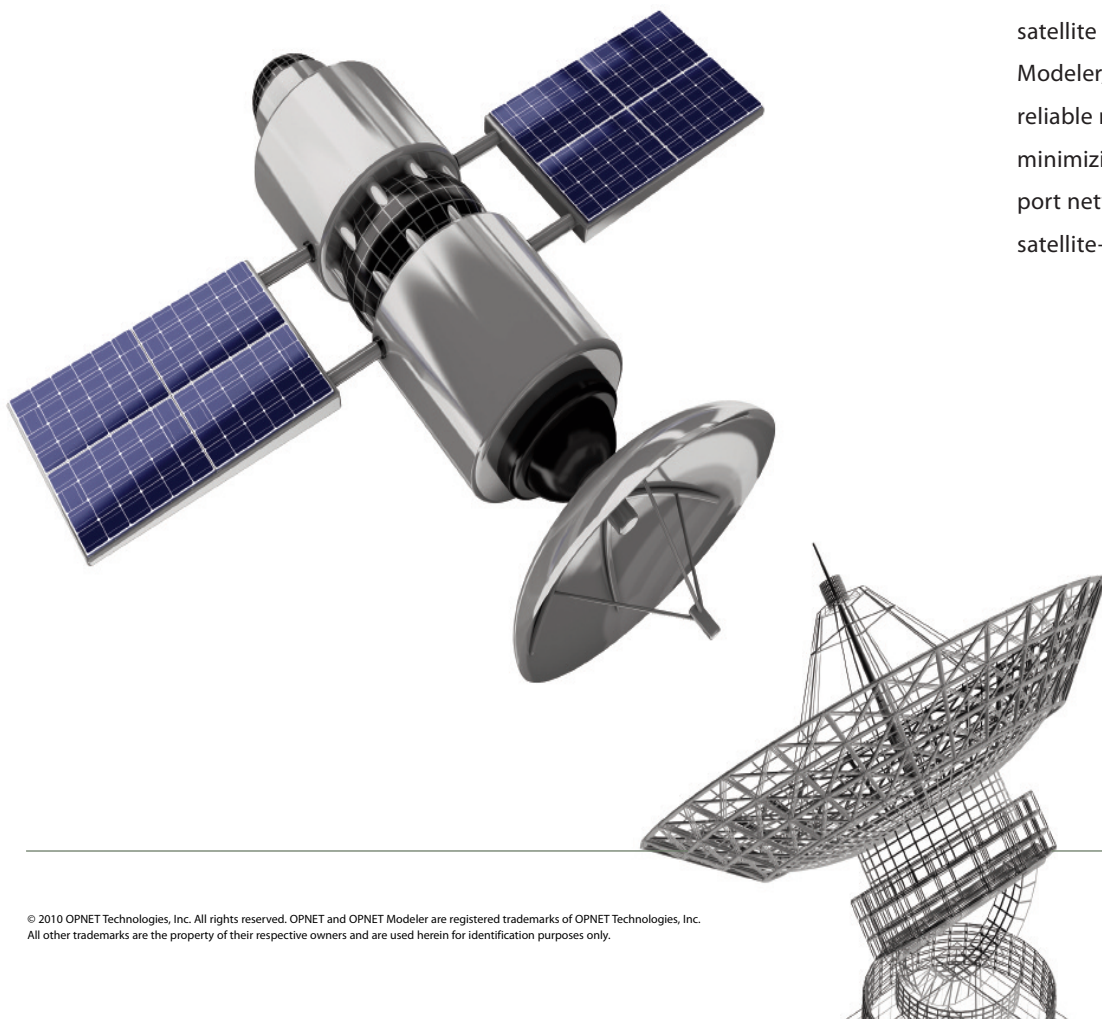


Dr. George Elmasry
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XPRT Solutions, Inc., established in 2001, is a diversified technology organization that conducts engineering consulting, modeling and simulation, research and development, and integration and test. XPRT’s staff has a unique, in-depth knowledge of commercial and military communication systems, giving them the ability to solve complex problems and deliver on-time solutions that exceed customer expectations. XPRT is a wholly owned subsidiary of DSCI Corporation.

XPRT was engaged by the US Navy to develop a SATCOM Network Planning Toolset (SNPT). SNPT enables satellite engineers to model satellite terminal deployment plans and RF spectrum management schemes leveraging a commercial database of satellite systems and products. The output from SNPT is used to automatically generate models in OPNET Modeler’s high-fidelity discrete event simulation environment. Users can perform network planning studies, including provisioning links, evaluating multiple resource management schemes, and testing satellite communication protocols. With Modeler, SNPT users are able to perform reliable network planning exercises while minimizing the time and effort required to port network scenarios created in the satellite-modeling realm into Modeler.



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