

Hexagon Unveils Luciad 2020



Hexagon's Geospatial division has launched Luciad 2020, a significant update to its platform for building advanced location intelligence and real-time, situational awareness applications. Luciad 2020 delivers faster and more powerful 3D visualization and analysis capabilities. It also extends the portfolio with LuciadCPillar, an API for C++ and C# developers to incorporate advanced geospatial visualization and analysis into their applications.

Hexagon's Luciad portfolio allows developers to create powerful, high-performance applications that leverage data from any source for visualization and analysis in 2D and 3D. Combining static, dynamic and real-time data, including moving tracks, Luciad-powered applications support defence, aviation, infrastructure and other critical sectors.

Interactive model placement

For the 2020 release of LuciadRIA, which is used for building browser-based solutions, Hexagon has added interactive model placement, interactive mesh operations and additional capabilities for viewing and analyzing infrastructure in 3D. The seamless 3D experience is powered by a new 3D tiling engine that has been added to LuciadFusion, the server solution, and LuciadLightspeed, which is used for building desktop and on-board applications. The tiling engine turns models and large 3D datasets into streamable 3D tiles.

"Our goal is to provide defence, aviation, transportation and other solution developers with the most highly performing tools for building a digital version of their world and the factors impacting it," said Mladen Stojic, president of Hexagon's Geospatial division. "The [Luciad 2020](#) release is a major enhancement toward that end, providing significant new capabilities for viewing and manipulating 3D data. And with the addition of LuciadCPillar, we have opened up these tools to an entirely new developer community – one that serves the mission-critical needs of the defence industry and others."

The release contains other new features requested by customers, including a new dedicated LuciadLightspeed view for JavaFX for an optimized development experience, Multinational Geospatial Co-production Programme support and Significant Weather Data visualization for aviation.