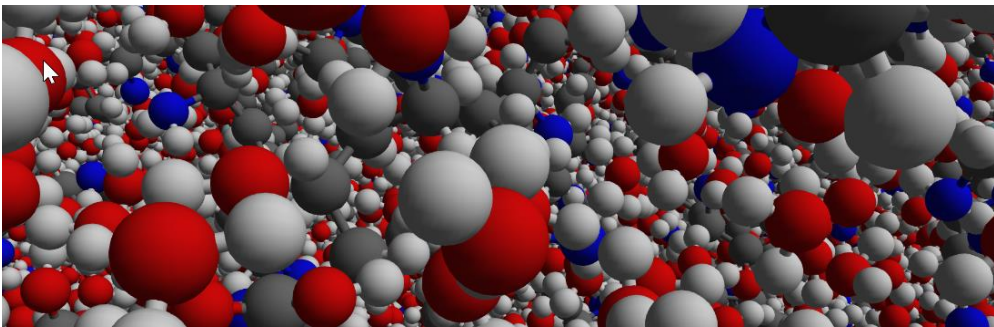


Siemens and CULGI

Q&A

<p>What is the vision of Siemens and where does this acquisition fit in?</p>	 <p>Siemens expands its Comprehensive Digital Twin to offer an end-to-end simulation solution to engineer functional materials and optimize products and processes.</p>
<p>Why CULGI?</p>	<p>CULGI is a computational chemistry software company that brings a deep knowledge and understanding of quantum mechanics and molecular dynamics applications. They provide a multiscale simulation solution for discovering innovative soft materials.</p>
<p>What is the existing background in the domain of digital twin of materials?</p>	<p>Siemens Digital Industries Software's Simulation and Test Solutions has been strategically expanding its solutions for materials engineering. The recent acquisition of MultiMechanics brought efficient prediction of solid material properties and behavior into the Simcenter Portfolio. The addition of CULGI completes this offering to include both solid and soft materials simulation, putting Simcenter in a leading position in the CAE marketplace.</p>
<p>What is the main value proposition / benefit of the new Siemens solution?</p>	<p>CULGI solutions expand the Digital Twin with multiscale chemistry models that couple with the continuum approach in Simcenter STAR-CCM+, bridging the gap between material science and engineering. The combined solution enables performance-driven optimization of advanced materials, yielding significant cost savings and accelerating innovation in all process manufacturing industries.</p>
<p>What are typical applications of the new Siemens solution?</p>	<p>The acquisition of CULGI broadens the Simcenter portfolio and enables discovery and innovations of soft materials. Example applications include:</p> <ul style="list-style-type: none"> • Discovering interactions between drug formulations to safely produce medicines • Predicting solvents for chemical manufacturing to improve sustainability • Inventing durable and efficient polymer membranes for batteries & fuel cells • Finding a patentable and more effective chemical mixture for oil recovery • Improving impact strength of materials for automotive components • Designing lightweight and temperature resistant composites and adhesives

End