USEReady Powers Chemille? - An AI-Driven Digital Assistant for Intelligent Materials Discovery at Celanese

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Leading industry tool simplifies materials discovery and accelerates material selection by enabling engineers and designers to find relevant materials faster and with greater confidence

USEReady, a leading provider of Data Analytics Modernization and Agentic AI Automation solutions, today announced that it has supported Celanese, a Fortune 500 specialty materials and chemical company in the launch of Chemille? Digital Assistant, an AI-powered digital assistant designed to simplify and accelerate materials discovery for engineers and designers.

Chemille, launched last April, was built through close collaboration between the two companies. The tool enables customers to navigate the extensive Celanese engineered materials portfolio using natural-language queries and identify relevant materials based on properties, application needs, and industry certifications. The initiative reflects a shared focus on improving customer experience through intelligent, data-driven innovation.

A digital assistant platform for advanced material selection, Chemille transforms how design engineers access data and improve product designs, while providing precise recommendations tailored to the exact

specifications and requirements of any customer in any industry, enabling users to save time, reduce risk, and offers a substantial competitive advantage to manufacturers by allowing to choose the right materials early in the product design process.

Combining more than 100 years of Celanese polymer science knowledge, Chemille (www.askchemille.com) is committed to providing cutting-edge solutions and unparalleled support to its users. With Chemille?s capabilities, Celanese continues to lead in the service and support of designers and manufacturers and is actively working on further enhancements to the user experience and streamlining the discovery of its broad engineered materials portfolio.

?Chemille is a strong example of how AI, when grounded in domain expertise and trusted data, can meaningfully improve how customers engage with complex product ecosystems,? said Uday Hegde, Co-founder and CEO of USEReady. ?Our collaboration with Celanese focused on building an intelligent assistant that goes beyond keyword search to deliver contextual, explainable guidance that supports faster and more confident decision-making.?

Chemille allows users to search materials by key properties such as thermal resistance, mechanical strength, and chemical compatibility; identify alternative materials with comparable or improved performance characteristics; run specification-driven searches filtered by industry standards and certifications; access a resource library with case studies and solution showcases; and engage in 24/5 Live Chat with engineers for expert guidance.

For Chemille?s backend, USEReady leveraged advanced AI and machine learning techniques including lexical and semantic retrieval, training a custom domain-specific Named Entity Recognition (NER) model, unit normalization, and an explainable ranking layer. Together, these capabilities enable the system to interpret complex natural-language queries and surface relevant material recommendations with supporting context.

?Manufacturers are increasingly looking for intelligent, intuitive ways to make decades of technical knowledge more accessible,? said Amit Phatak, Senior Vice President and Head of Decision Intelligence at USEReady. ?For Chemille, we worked closely with Celanese to translate their deep polymer science expertise into a conversational, AI-driven experience that aligns with how engineers actually think and work.?

Chemille continues to evolve as Celanese explores additional opportunities to apply AI-driven intelligence across customer engagement, product discovery, and internal knowledge access, extending the value of more than a century of materials science expertise.

About USEReady

Founded in 2011 in New York, USEReady empowers enterprises with cutting-edge AI and Data Analytics solutions to drive intelligent, autonomous transformation. As a trusted partner to Fortune 500 organizations, USEReady delivers scalable, high-impact solutions through its expertise in Agentic AI, Decision Intelligence, Cloud Data Engineering, and Analytics Modernization. Leveraging proprietary frameworks, platforms and accelerators, along with industry protocols, USEReady enables customers across Manufacturing, Financial Services, Healthcare, Retail, Energy, Travel & Hospitality and Public Sector to achieve measurable outcomes in an agentic world.

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Suvip Solutions Inc

Founded in 2011 in New York, USEReady helps Fortune 500 organizations adopt AI and data analytics for intelligent transformation. The company designs and deploys scalable solutions across Agentic AI, analytics modernization, and cloud data engineering.

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