

Press Release

Nantes, 15 June 2021

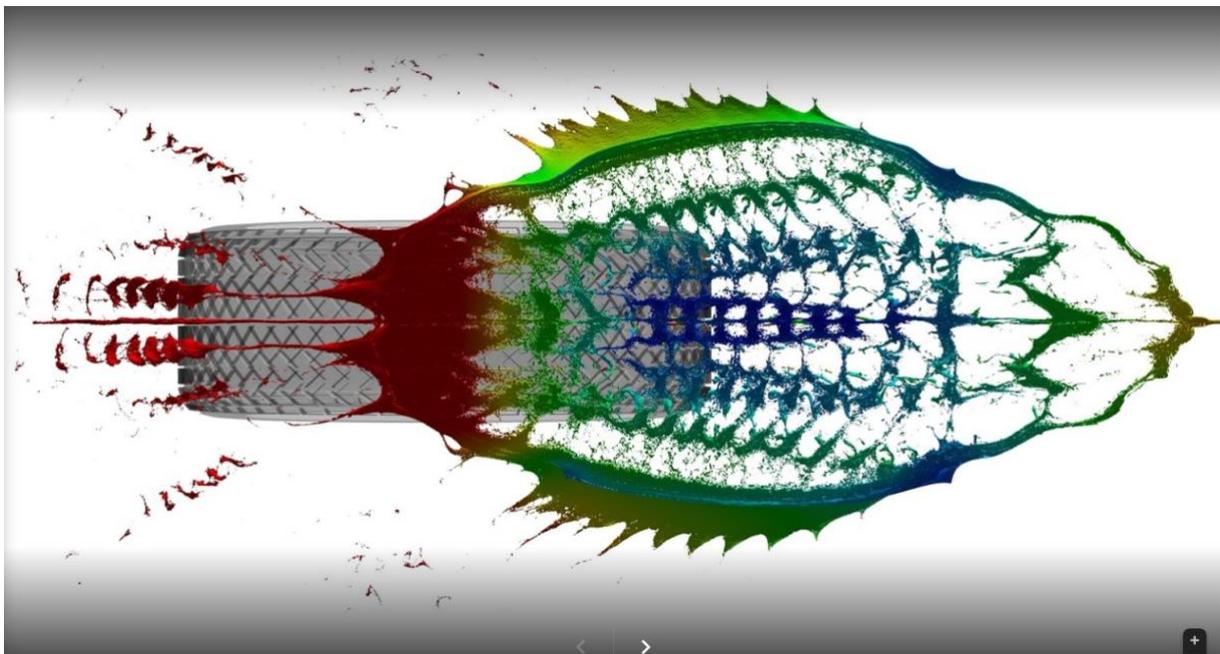
Siemens Digital Industries Software acquires Nextflow Software, a Centrale Nantes spin-off

With the acquisition of Nextflow Software, the German group Siemens, already a market leader in automation and digitalization, is stepping up its capabilities in numerical simulation.

Nextflow Software is revolutionizing the field of numerical simulation with software co-developed since its inception with researchers from Centrale Nantes. Its software has major applications across the automotive, aerospace and marine sectors.

A long-standing partnership between Nextflow Software and Centrale Nantes for co-development

Researchers at Centrale Nantes' LHEEA Laboratory and at the CNR-INM in Rome have over thirty years of experience in developing advanced software. It is their world-renowned expertise, in particular in the use of meshless CFD technology, that underlies this successful partnership. Erwan Jacquin, a Centrale Nantes graduate, founded Nextflow Software based on this technology in 2015, with Centrale Innovation making an equity investment.



Simulation of aquaplaning around a tyre

Jean-Baptiste Avrillier, Director of Centrale Nantes: *“Siemens’ acquisition of a Centrale Nantes spin-off is a perfect illustration of both the excellence of the school’s research and the role it plays in economic development. Start-ups, SMEs, indeed companies of all sizes, can benefit from real support for their research working alongside Centrale Nantes. I am proud to be signing this transfer of ownership which marks the start of a new adventure with Siemens.”*

Vincent Perrier, CEO of Nextflow Software: *“Joining Siemens is real recognition for Nextflow Software and the culmination of a shared journey of which we can all be proud. It confirms the expertise acquired through our long-standing partnership with Centrale Nantes researchers, and represents real added value for our customers who see our technologies join Siemens' large portfolio of digital simulation solutions.”*

About Centrale Nantes

Founded in 1919, Centrale Nantes is a French engineering school and member of the Ecoles Centrale Group. The school boasts excellent rankings: top ten for academic excellence (Le Figaro), 4th engineering school in France in 2021 (L'Etudiant), and top 200 worldwide for engineering (Times Higher Education). Its undergraduate, Master and PhD programmes are based on the latest scientific and technological developments and the best management practices. With strong international outreach, 43% of its student body are international students, representing more than 87 nationalities. Partnership agreements are in place with 178 universities in 48 countries and two-thirds of students follow a double degree programme abroad. At Centrale Nantes, research and training are organised into three key areas for growth and innovation: manufacturing, energy transition and healthcare. With research platforms ranging from digital simulation to prototyping with full-scale models, and a joint incubator - with Audencia and ensa Nantes - which has 20 years of experience in supporting start-up projects, the school has two major tools for innovation and creation, working hand-in-hand with industry. Through a proactive approach of collaborative research between laboratories and industry, Centrale Nantes has 15 industrial chairs and joint laboratories with leading players in industry.

For more information: www.ec-nantes.fr. Media library: <https://phototheque.ec-nantes.fr/> / @CentraleNantes

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