

Intellegens opens new Cambridge HQ

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Intellegens celebrates milestone opening of new Cambridge Headquarters

Cambridge, UK, 9 March 2023 – **Machine learning experts Intellegens today opened a new headquarters facility at Chesterton Mill, Cambridge, marking a major milestone in the growth of the company. Intellegens technology is applied to speed the development of products from aerospace alloys to whipping cream by providing scientists with deep insights into their experimental and process data.**



A spin-off from the work of co-founder Dr Gareth Conduit and his colleagues in the University of Cambridge's Cavendish laboratory, Intellegens located in the Barclays Eagle Labs incubator in Cambridge since 2018. Over this period, the company has developed a mature commercial software product, built a global base of customer organisations, and grown to nearly thirty employees. The new office will accommodate this team, with room for further growth, and provide a dedicated space in which the company can more easily develop its products and services in support of its customers.

Intellegens solves complex industrial R&D problems in chemicals, materials, manufacturing, and life sciences. Scientists who seek ideal combinations of many possible raw materials, ingredients, or processing steps often rely on large-scale, costly, time-consuming experimental programmes. The Intellegens software, Alchemite™, applies machine learning methods to learn from the data that these teams have collected, finding useful relationships and applying this information to predict the behaviour of new products and guide which experiments to do next. The result: better products with up to 90% less experimental cost. Alchemite™ works even where data has many gaps or errors. This scenario, typical of real-world data, usually causes machine learning approaches to fail.

There are now many examples of the successful application of the Alchemite™ method.

- Rolls-Royce were able to design a new aerospace alloy.
- Domino Printing Sciences speeded up the development of ink formulations.
- Johnson Matthey has optimised automotive catalysts for clean air applications.
- NASA validated the technology for use in material and component design.
- Global food producer Yili developed improved whipping cream formulations.
- AstraZeneca and Optibrium predicted key pharmacokinetic properties for drugs.

Intellegens co-founder and CEO Ben Pellegrini comments: "The move to our own dedicated facility at Chesterton Mill is a great milestone for Intellegens as we grow our business to support more customers in developing cleaner, more cost-effective, better products. We'd like to thank the team at Eagle Labs in Cambridge for their support on our journey from a start-up to a scale-up business. We're already settling in to our new surroundings and we know this will provide a great environment for current and future employees to enjoy their work and develop their careers."

About Chesterton Mill

Chesterton Mill, located between the Cambridge's famous Science Park and its historic city centre, describes itself as "an urban oasis... where a diverse collection of historic buildings have been re-purposed around the Grade II listed windmill to create a dynamic workplace community unlike any other in Cambridge." www.chestertonmill.com

See also:

- [Report in the Cambridge Independent business section](#)

Supporting images

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Chesterton Mill site (image courtesy of Savills).

Intellegens board member Graham Snudden cuts the ribbon at the office opening with CEO Ben Pellegrini

The Alchemite™ Analytics machine learning software.