



Machine learning for sparse data





Ben Pellegrini CEO Dr Gareth Conduit CTO Typical experimental data is sparse but Alchemite[™] extracts more information than other machine learning approaches

Design optimal industrial formulations

Accelerate the research & development processes from 10 to 1 years

Reduce costs from \$20 million to \$1 million

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GKN seek a heat exchanger to serve as a structural component in an aircraft and is additive manufactured

Intellegens will design the titanium alloy composition with high thermal conductivity without reducing the mechanical properties



















Nickel and moly alloys



Batteries



Lubricants



Steel for welding







Metal-organic framework

Concrete

Steel for turbos

Drug design

Aerospace applications

Alloys for additive manufacturing Battery materials High temperature alloys for engines Composite materials Advanced lubricants and fuels

Sparse data applications - post COVID-19

Prediction of future infection rates (with InnovateUK & Richard Nixon Foundation) Effective and focused passenger screening

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