

Case Studies

CRisALIS can be applied to quantify various non-financial risks and provide insights.

Client	Risk Type	Problem / Insight
Life insurer	Risk appetite	Interacting factors make it hard to set coherent limits consistent with appetite. Causal model enabled key effects of interactions to be anticipated in limit setting.
Life insurers x 4	Operational	Operational risk capital model which enabled explanation of capital drivers, forecasting capital position
Insurers x 2	Operational	Operational risk capital model to support ORSA process
International healthcare provider	Cyber	No meaningful past data so causal model enabled more sophisticated approach than scenario one even though had to rely on expert judgement
Digital bank	Conduct	Wanted to embed conduct risk MI in system. Causal model used to represent the behaviors required for good conduct outcomes
Insurer	Business	Dashboards did not easily show effects of interconnected factors. Causal model helped reveal influences across business drivers
Asset Manager	Market	Derive portfolio returns in terms of risk factors to enable more accurate risk mitigation
Energy producer	Pricing	Pricing due to auction process, very hard to predict. Causal model able to capture the highly nonlinear dynamics and include soft factors like sentiment.
Dairy producer	Pricing	Pricing highly dependent on environmental factors and sentiment. Causal model permitted more insight into effects of driver relationships.