Quantum Safety

Understanding complexity
Delivering real change

What's the difference?

Quantum Safety is a new perspective for safety. It provides organisations with the vehicle to develop lasting and evidential improvements within high risk, complex organisations.

	SAFETY I	SAFETY II	QUANTUM SAFETY
DEFINITION OF SAFETY	As few things as possible go wrong.	As many things as possible go right.	Safety is an integrated aspect of high performance.
SAFETY MANAGEMENT PRINCIPLE	Reactive, respond when something happens, or is categorised as an unacceptable risk.	Proactive, continuously trying to anticipate developments and events.	Proactive, compassionate and curious, improving risk management within collaborative, adaptive spaces.
EXPLANATIONS OF ACCIDENTS	Accidents are caused by failures and malfunctions. The purpose of an investigation is to identify causes and contributory factors.	Things basically happen the same way regardless of the outcome. The purpose of an investigation is to understand how things usually go right as a basis for explaining how things occasionally go wrong.	Approach is process, not outcome, focussed. Event analysis is probabilistic rather than deterministic and seeks learning from deep consideration of variation within the system.
ATTITUDE TO THE HUMAN FACTOR	Humans are predominantly seen as a liability or a hazard.	Humans are seen as a resource necessary for system flexibility and resilience.	Isolating human factors rarely offers opportunities to learn. In complex systems, understanding the patterns of micro interactions offer a greater opportunity to improve.