



Terotek – moving beyond lean to Systems Terology – an innovative new approach

A Staffordshire company is moving beyond the lean concepts and developing a unique and innovative methodology to help engineering businesses increase efficiency.

Terotek, based in Tamworth, have developed a method called Systems Terology, a more 'accessible' and more effective alternative to lean for many organisations.

Systems Terology uses the systems thinking and systems engineering techniques developed in the Defence sector as a skeleton, it takes key concepts from a wide range of robust, trusted techniques in common use including, but not limited to, Lean and Value Stream Analysis, and repackages them into this skeleton structure to produce a comprehensive, coherent and highly flexible methodology that can be readily applied, and which will help almost any organisation to improve their cost effectiveness.

The methodology was originally developed for application to military systems, systems that ranged from some of the most complex engineered systems in the world, down to simple rugged mechanical system; both categories operating in some of the most hazardous physical environments imaginable. Lean has a long track record and many successes to its credit, but it can be challenging to understand and to implement, particularly for the smaller organisation with limited resources. Research has shown that over 50 per cent of Lean projects fail, this is due to implementation failure; in the Defence sector many individuals and organisations have come to view the 'Lean' concept with open hostility.

Systems Terology looks at the whole enterprise in its business context and involves optimisation of the entire organisation's processes. This superior methodology facilitates the analysis of business systems, the optimisation of those elements of the systems that can be readily improved and the delivery of pragmatic improvement strategies, which may result in reduced downtime, higher profits or both.

The concepts that underpin Systems Terology have been used by the Ministry of Defence to increase the efficiency of critical operational systems.

A spokesman for the Defence, Equipment and Support organisation (DE&S) at the Ministry of Defence (MOD), said: "The team (from Terotek) have been engaged with this programme (a critical, heavy lift helicopter support programme) for around two years under my management. They have produced an extremely high standard of analysis, working consistently hard to meet all my required deadlines, which they have done."

"They have provided excellent project management support covering a project schedule, production of agendas, minutes and risk management throughout the period of this project. Their work has been first class, on time and to cost, as well as remaining very flexible to my requests for various changes to my requirements," he continued.

Terotek have developed a website specifically designed to educate businesses about Systems Terology, and the benefits it can bring to them.

Businesses should visit www.terotek.co.uk to find out more.

Press Release: Stratique PR



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Notes to Editors:

Terotek is a trading division of Aspire Consulting Ltd, a leading company providing Systems and Systems Engineering services and training to the defence and Civil Markets in the UK and Europe. Aspire was founded in 1996 by Peter Stuttard, Managing Director. Peter believes that the development and implementation of integrated systems thinking and systems engineering techniques is a winning formula when combined with high quality assurance standards applied by high calibre engineers. Terotek's clients range from some of the world's biggest companies to small and medium scale.

Terotek was established in 2010 in order to bring this successful formula to the non-military market. Terotek's objective is for all of its clients both to improve their operational effectiveness and to reduce the Through Life Cost of development, ownership, operation, maintenance and disposal of complex systems.