

SCARECROW CONSULTANTS

Scarecrow Consultants Limited is a tool-independent model-based systems engineering consultancy, formed in 2014 by Prof Jon Holt and Simon Perry with a mission to *'promote the use and application of Model-Based Systems Engineering (MBSE) in businesses worldwide, by pioneering new and pragmatic techniques for MBSE in the real world'*.

All Scarecrow Consultants are true experts in the theory and real-life application of MBSE and are recognised at an international level.

Services

Scarecrow Consultants offer a range of MBSE-related services that cover the three crucial aspects of MBSE:

People

Mentoring. We can provide expert mentoring on a one-to-one or one-to-small groups basis. This covers any aspect of MBSE, from applying modelling to implementing MBSE into your business.

Competency development, analysis and assessment. We can help you demonstrate the competence of your staff by carrying out assessments in the field of Systems Engineering according to established norms, such as the INCOSE UK Systems Engineering Competencies Framework, or your own framework. We can also help you to develop your own bespoke frameworks, or to assess existing ones.

Training the trainer. When training large numbers of staff, the logistics of running training courses can become unmanageable in terms of time and cost resourcing. We offer a train-the-trainer service where we can train your trainers and then mentor them through their first training course deliveries.

Processes

MBSE assessments. We can assess any aspect of your MBSE from your models, to your modelling process and the tools that you use.

ISO 15288 assessments. We can offer assessments against a number of standards, which are carried out in a CMMI-type fashion, resulting in a process profile to help identify strengths, weaknesses and gaps in your Systems Engineering processes.

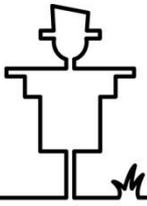
MBSE process development, analysis and assessment. We can help you and your business improve its MBSE capabilities through the development of new processes and analysis of existing processes, whether they are documented or not.

Tools

Tool evaluation and selection. Tool selection can be a thorny subject and is an area that we have significant experience in. We can perform a tool evaluation to aid your tools selection, based on our tool-independent assessment processes.

Tool implementation for bespoke processes. Having 'sharp' tools in place is only part of the battle. Tools need to be tailored to work within the confines of your own approach (the process must drive the tool) and the use of so-called tailored profiles is very powerful. We can help you to develop such tailoring for a number of tools.





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Training

Scarecrow Consultants offers a range of MBSE-related courses, including:

Mastering requirements using MBSE. There is more to understanding requirements than writing nice descriptions. A two-day course aimed at requirements practitioners that covers requirements management, requirements engineering, model-based requirements and how to implement an effective approach in your business.

A model-based approach to Systems Engineering (MBSE). A complete overview of MBSE and how it can be used in your business. This three-day course covers: SysML, the MBSE Ontology, frameworks and their associated views. In this course, we show how to apply MBSE to projects, requirements, processes, architecture frameworks and competencies.

Mastering the MBSE approach – a model-based approach to people, process and tools. This two-day course covers the pragmatic issues associated with implementing an effective and efficient approach in your business.

Mastering SysML – talking the talk. The Systems Modelling Language, SysML, is the industry-standard notation that is used throughout the world for Systems Engineering. However, there is more to mastering SysML than learning the notation. This three-day course introduces the main concepts of SysML and shows how to truly understand the application of the notation in order to realise the full benefits of MBSE.

All courses are delivered by acknowledged experts in the field of MBSE and are supported by published books on the subject – see our publications for more details. All courses may be tailored for specific companies' processes, competencies or tools.

TeamStorming. Scarecrow is proud to announce the launch of our new training offering: **TeamStorming**. Aimed specifically at senior management, board and executive level, **TeamStorming** provides a unique experience in both brainstorming and team-building. Based on established, proven teaching techniques, **TeamStorming** consists of a number of team-building exercises that encourage collaboration and grow consensus amongst teams. The exercises are not just about team-building, however, but are designed to identify, understand and define key business issues, initiatives and strategies within your company. The artefacts produced by these exercises are deliberately designed and configured so that they can provide a valuable input to strategy meetings, capability definition and requirements initiatives. **TeamStorming** adopts and encourages a systems approach to making your business more effective and efficient. There are no complex notations, tools nor processes to master, so the workshops focus effort on creativity, consensus building and collaboration.

Publications

Scarecrow Consultants have published more books on MBSE than any other organisation in the world. Our books are used globally in academia, industry and government. For a full list of books written by Scarecrow Consultants, see www.scarecrowconsultants.co.uk/publications.htm

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