

VIKOMA ENGINEER TRAINING PROGRAMME

(6 week course)

Course Title:	Oil Spill Response and Engineering
Duration:	30 Days
Location:	Isle of Wight, UK & Surrounding Marine Areas

TYPICAL COURSE PLAN

Week 1	<p>Theoretical Study – Oil Spill Response</p> <ul style="list-style-type: none"> Oil Spill Properties Oil Spill Behaviour Oil Spill Fate Health, Safety & Environmental Impact of Oil Demonstration of Properties of Different Oil Types Response Organisation Control Strategies Demonstration of Skimmer, Storage Tanks, Maintenance, Storage, etc <p>Containment Boom Manufacture</p> <ul style="list-style-type: none"> Vulcanisation procedures How to test a boom for leaks Repairing neoprene oil containment booms using a site press. Repairing neoprene oil containment booms using cold glue. Fitting and removing air valves. Radio frequency welding procedures
Week 2	<p>Mechanical Equipment Manufacture:</p> <ul style="list-style-type: none"> Hydraulics – back to basics Making and testing hydraulic hoses. The trainee(s) will also be required to build a Komara 20 head, including test procedures. Diesel/Hydraulic power pack assembly Power pack testing.
Week 3	<p>Product Design, Development & Auto CAD:</p> <ul style="list-style-type: none"> Working in the Vikoma engineering office covering: <ul style="list-style-type: none"> Basic skills -how to use Auto CAD The process of equipment development from drawing board to manufacture. The trainee(s) will be required to draw at least one simple object. <p>Welding & Fabrication:</p> <ul style="list-style-type: none"> The trainee(s) will be working closely with a Vikoma weld shop team member covering: <ul style="list-style-type: none"> MIG & TIG welding. Folding Connecting plate manufacture & machining.

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Week 4	Servicing Booms, Skimmers & Powerpacks The student(s) would learn how to service and maintain Vikoma equipment. Fault finding Scheduled servicing (oil change, filters, etc) Replacement of spare parts Resetting safety equipment such as auto shutdown valves, spark arrestor etc.
Week 5	Boat Handling: Week four would incorporate a boat handling course, this would consist of basic navigation, man-overboard, mooring skills, emergency steering, mooring and safety, towing and manoeuvring of oil spill equipment. Certificates to include: RYA VHF, RYA First Aid, and attainment of RYA Powerboat Level 2 – 4 subject to skills. International Certificate of Competence.
Week 6	Visits and Commissioning: Visits to; Regulatory authorities and government agencies to understand their roles and operating Procedures in the event of an oil spill Operators of Tier 2 and 3 oil spill equipment stockpiles Customer locations to commission and test Vikoma supplied equipment

Note:

- *This is a typical course outline and Vikoma reserves the right to amend it at any time without prior warning or notice.*
- *English language course can be arranged as an optional extra*
- *Please advise on the background of the person(s) that you wish to send to Vikoma for training so the course can be tailored to suit the trainees.*

Contact Vikoma for further information: +44(0)1983 200560 or sales@vikoma.com