



# Scuba Cat diving Tec Diving Courses and Safaris



## Why Scuba Cat Diving ?



Technical diving comes with some of the most rewarding experiences in diving; we at Scuba Cat Diving Phuket, Thailand have a long history in technical diving.

Generally our courses are run on our liveaboard MV Scuba Adventure. During high season MV Scuba Adventure is in the Similans and south Andaman and during

Low season is in the South only.

This experience will have you Eating, sleeping and breathing technical diving without distractions. Like anything you do in life the best way to learn is to surround yourself in what you are doing, creating an enjoyable and memorable experience.

Scuba Cat Diving has a dedicated classroom and equipment room for technical diving and rebreather

Scuba Cat Diving has a long experience with rebreather and technical diving

## ***World Record at Scuba Cat Diving!***

***Mark Ellyatt a technical dive instructor based at Scuba Cat Diving Phuket, Thailand achieved the deepest ever-solo scuba dive recorded on Thursday 18 December 2003. At 6.30pm local time, Mark surfaced from the 313m (1032ft) dive and broke another barrier by completing the dive without any decompression illness symptoms. The conditions on the surface were described as perfect at the dive site almost 35 miles west of Phuket in the Andaman Sea.***

***Members of Scuba Cat involved in the world record***

**Mark Ellyatt:** 313 Meters “World Record” Scuba Cat Tec Instructor

**Glen Dunkley:** Scuba Cat diver – Support Diver 50 Meters

**Mike Stark:** previous owner of Scuba Cat Diving - Support Diver 50 Meters

**Monthon Bumpenyu:** Instructor Scuba Cat Diving - Support Diver 90 Meters

**Sveinung Skoglund:** Instructor Scuba Cat Diving - Support Diver 90 Meters

**Phil Phelan:** Scuba Cat DSAT Tec Instructor Trainer - Support Diver 75 Meters

**Mark Spiers:** PADI Course Director – Surface coordination

**David Hansen:** Instructor Scuba Cat Diving - Support Diver 21 Meters



## Vince Callaghan – DSAT Tec and Trimix Instructor



**Vince Callaghan:** Vince was a Tec diver before being a recreational diver, he got his training as fire fighter and for rescuing people in mines sometime up to few kilometers. In early 2000 started recreational diving to become an instructor and DSAT Tec and Trimix Instructor. Vince received his training with Mark Ellyat (World Record Solo in 2003), and became his assistant for few years. Now Vince is I would say is a “Master” in Technical Diving. Vince has explored and

discovered some fantastic caves around Koh Phi Phi. In 2009, Vince did a dive to 200 meters in the Similan Islands.

Vince teaches as well Divemaster course and his responsible for preparation for IDC candidates for Scuba Cat Diving. He works closely with PADI Course Director Christopher Pace, they run IDCs together.

Vince can train you up to DSAT Instructors levels (DSAT Tec Rec, Trimix, Eanx Gas Blender, and Trimix



## Boat owner and operator

Dive boats are an essential and extremely important element of your ocean experience and a dive center operating its own vessels is better able to ensure your comfort, safety and enjoyment. Boat ownership is truly a mark of a superior, professional operation.

Scuba Cat Diving ownership has been involved in boating services in Phuket since 1990 and presently own and operate three dive vessels. Scuba Sport can be used as a Tec diving boat only so there are no time issues with other cutomers.

### 1. MV Scuba Adventure – Liveaboard



### 2. MV Scuba Fun – Daytrip boat

### 3. MV Scuba Sport – half day/Daytrip



## Tec courses

Scuba cat Diving organizes and conduct a variety of DSAT Courses. We offer these courses as a single course or in a package.

Possibility to assist DSAT courses to get to your Instructor rating.

Rebreather courses available.

## Offered at the diver level

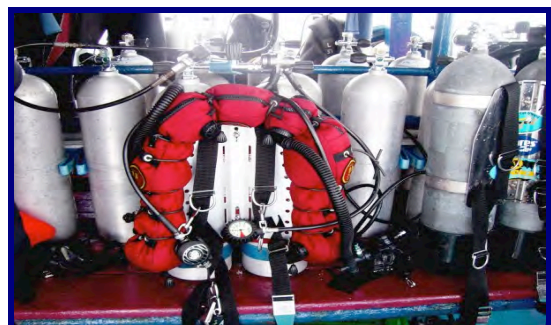
<b>DSAT Discover Tec</b>
<b>DSAT Tec 40 - Tec 45 - Tec 50</b>
<b>DSAT Tec Trimix 65</b>
<b>DSAT Trimix* Diver</b>
<b>Rebreather - Drager Dolphin</b>
<b>DSAT Nitrox Gas Blender</b>
<b>DSAT Trimix Gas Blender</b>



Our Courses include all Equipment, Boat Fee's and Course Materials, with no hidden costs. All you need is your Mask & Fins, \* except for helium for the Trimix course

## Offered at the Instructor level

<b>DSAT Tec and Tec Deep Instructor</b>
<b>DSAT Trimix Instructor</b>
<b>Rebreather Instructor</b>
<b>DSAT Nitrox Gas Blender Instructor</b>
<b>DSAT Trimix Gas Blender Instructor</b>



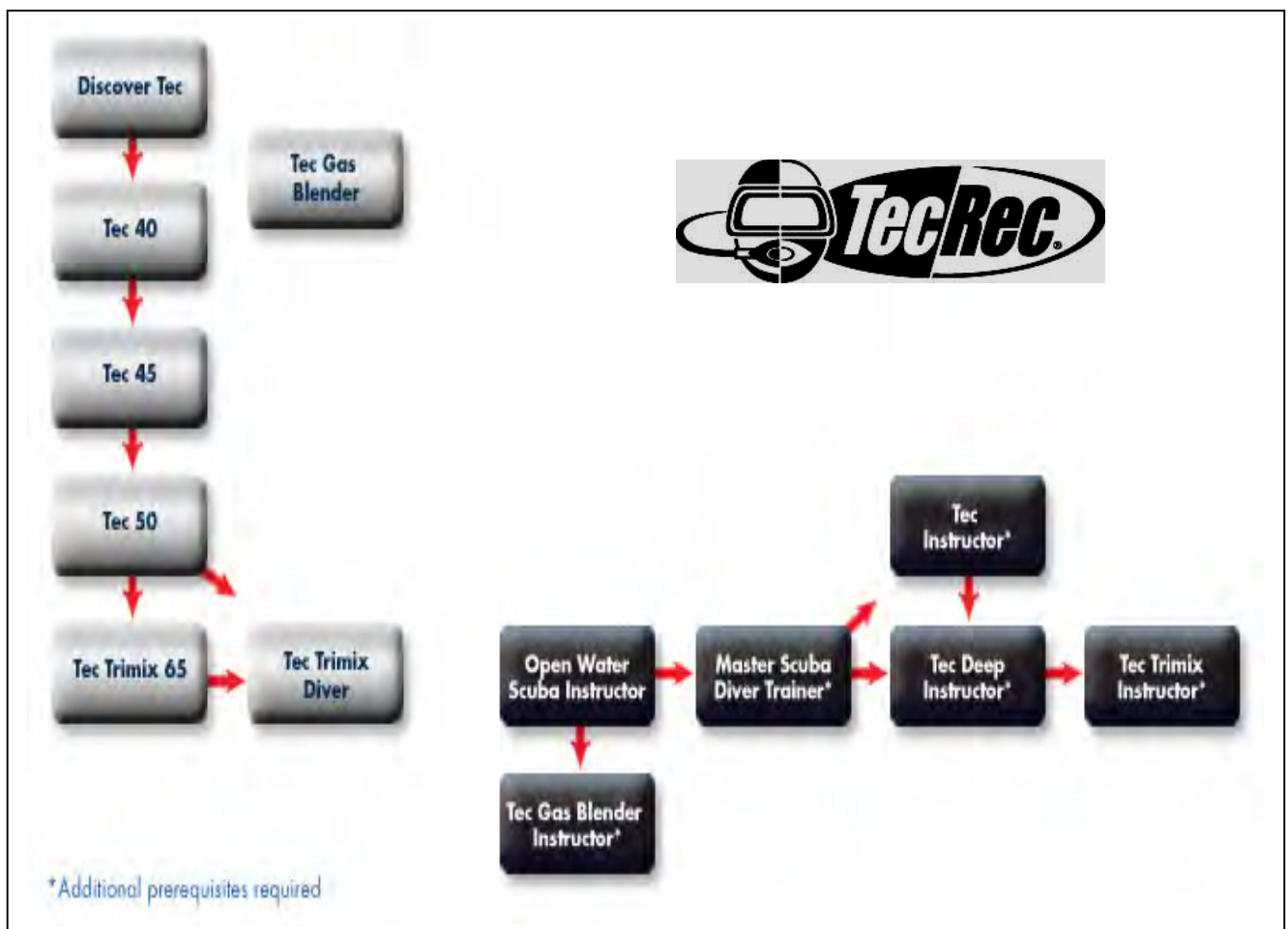
Instructor manual and slates included in the price

We can tailor made your courses, possibility to do your programs on liveaboard or on our daytrip boat. Possibility to do your Tec education in segments, you can start your course anytime and come back to finish it anytime you want.

## Tec diver course options



DSAT has designed different courses to fulfill the new demands, you can start your diver level from the first level Discover Tec or directly with the Tec 50 course, these options give you the choice to do your training step by step or do the course in one time. You have the same option for Trimix courses, you can start first with Tec Trimix 65 or directly with the Tec Trimix Diver.



## Discover Tec Diving

Discover Tec Diving embraces the Dive Today and Discover philosophies, allowing you to begin your training in the water. During the 2 dives, the PADI Discover Tec experience makes it possible to try the equipment and perform some of the procedures to determine your level of interest. It's entirely taught within recreational diving

**Duration: 2 days**



## Tec 40 Course



You'll learn to make gas switch, extended no-decompression dives using air and enriched air to 40 metres/130 feet.

### **You will learn to:**

- Use decompression software and dive computers to plan and make decompression dives with no more than 10 minutes of total decompression and not deeper than 40 meters/130 feet.
- Use a single cylinder of decompression gas up to 50 percent oxygen (EANx50)

**Duration: 3 days**

## Tec 45 Course

The Tec 45 course picks up where the Tec 40 leaves off and takes your training as a Tec diver further and deeper. It is the second subcourse in the full PADI Tec Diver course



## You will learn to



- The skills and equipment and planning need to dive to a maximum of 45 metres/145 feet

- The knowledge to plan and execute single and repetitive decompression dives using a single stage cylinder of EANx or oxygen to accelerate or add conservatism to the decompression stops.

- There would be no time limit to amount of decompression

- Prepare for and respond to foreseeable technical diving emergencies

- Master the basic skills and procedures you'll need as you move into deeper technical diving

**Duration: 3 days**

## Tec 50 Course

## You will learn to

- Make actual decompression dives as deep as 50 metres/165 feet • Use enriched air nitrox and/or oxygen for decompression

- Use desktop decompression software to create custom dive tables and plan your dives

- Qualify to make technical decompression dives independently



## Learning Material

The Tec Deep Diver Crew-Pak, which introduces you to tec diving lingo, emergency procedures, decompression and stage cylinder handling and gas planning. The pack includes a manual, dive planning checklist and dive planning slate.

**Duration: 4 days**

“Now you arrived at the top level with the Tec 50, if you want to be limitless in diving and go where nobody have been before Trimix training is waiting for you!!!!!!”

## DSAT trimix courses



### Tec trimix 65

This course opens up the advantages of trimix to the diver, and divers are qualified to make multi-stop decompression dives that employ EANx and oxygen for accelerated decompression, and any trimix with an oxygen content of 18% or more. They

can dive to a maximum depth of 65 metres/210 feet.

The PADI Tec Trimix 65 course is intended to extend the depth range of technical divers already trained and qualified to use air, Enriched Air and oxygen for technical decompression dives beyond 50 meters /165 feet.

This course is for Tec 50 divers (or those holding a qualifying certification from another training organization). The course extends your depth range capabilities by training you to use trimix (a blend of helium, oxygen and nitrogen).

### You will learn

- Plan and execute at least five trimix decompression dives using various trimix blends
- Use decompression software to create custom dive tables and dive plans
- Make training dives as deep as 65 metres/245 feet.

**Duration: 5 days**

## Tec Trimix Diver



For the extreme diver ready to further explore the world of technical deep diving, the gas of choice is trimix – a blend of oxygen, helium and nitrogen.

The PADI Tec Trimix Diver course takes you to the outer edges of technical deep diving, opening the door to pristine dive sites few divers – if any – ever see.

### You will learn

The PADI Tec Trimix Diver course is intended to extend the depth range of technical divers

already trained and qualified to use air, enriched air and oxygen for technical decompression dives beyond 50 metres/165 feet. Diving with trimix is the outer edge of tec diving – the maximum depth for using this technology has yet to be defined.

- Plan and execute at least five trimix decompression dives using various trimix blends
- Use decompression software to create custom dive tables and dive plans
- Make training dives as deep as 75 metres/245 feet.

**Duration: 8 days**



## DSAT Tec Instructor Rating

**You have two different options to become a DSAT Tec Instructor:**

### Tec instructor



If you're serious about becoming a technical instructor and joining the ranks of PADI technical instructors, the Tec Diver Instructor course is an obvious choice.

#### **You will learn**

The PADI Tec Instructor course incorporates instructional philosophies and course goals that directly address the demanding and challenging nature of technical diving instruction.

The PADI Tec Instructor course prepares candidates to conduct the Tec 40 and addresses the philosophy, organization, practical considerations, promotion and other aspects of teaching the Tec 40

#### **You can teach**

Teach and certify students up to Tec 40

Assist full Tec Deep Instructors during the Tec 45 and Tec 50 courses

#### **Duration: 3 days**

### Tec deep instructor

The DSAT Tec Deep Diver Instructor course incorporates instructional philosophies and course goals that directly address the demanding and challenging nature of technical diving. For those serious about becoming a technical instructor and joining the ranks of DSAT technical instructors



## You will learn



The PADI Tec Deep Instructor course incorporates instructional philosophies and course goals that directly address the demanding and challenging nature of technical diving instruction.

The Tec Deep Instructor course prepares candidates to conduct the Tec Deep Diver course and addresses the philosophy, organization, practical considerations, promotion and other aspects of teaching the Tec Deep Diver course.

## You can teach

- - Conduct the Discover Tec experience
- - Teach the Tec 40 course
- - Teach the Tec 45 course
- - Teach the Tec 50 course
- **Duration: 8 Days**

For both Tec courses

Note that Tec 40 is not required. If you are not certified as a Tec 40 Diver (or have a qualifying certification from another training organization), then the Tec Instructor training course must include the entire Tec 40 diver course.



Note that PADI Tec Deep Diver is not required. If you are not certified as a Tec Deep Diver (or equivalent) and Tec 50, then the Tec Deep Instructor training course must include the entire Tec Deep Diver course.

Please contact us for the pre-requisites for these levels

## Tec Trimix Instructor

The DSAT Trimix Diver Instructor course incorporates instructional philosophies and course goals that directly address the demanding and challenging nature of technical diving with helium gas mixes.

### You will learn



The PADI Trimix Diver Instructor course incorporates instructional philosophies and course goals that directly address the demanding and challenging nature of technical diving instruction with helium gas mixes

### You can tech

- Tec Trimix 65 course
- Tec Trimix Diver course

During the course you'll learn how to teach diving at the cutting edge down to a depth of 75 metres/240 feet.

**Duration: 8 days**

***Please contact us for the pre-requisites of the Tec Trimix Instructor'***



## Rebreather Drager Dolphin

This is Technically a PADI course, but we like our technical instructors to teach the course. With their experience working in the recompression chamber they can teach you the benefits of breathing enriched air at depth and what problems that might occur when too much  $CO_2$  is in your breathing loop. This course is a must during high season, where you can dive the Similan Islands during your course and have the option to fun dive with the unit after you are certified.



**Duration: 2 days**

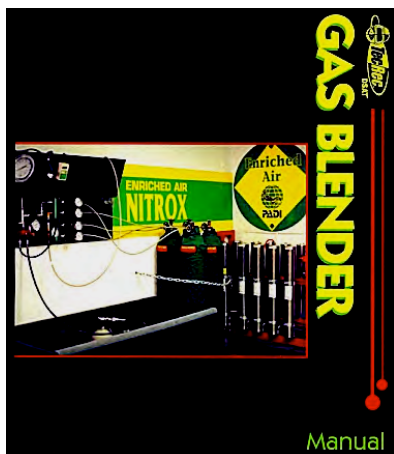
## Rebreather Instructor

You can certify you up to Rebreather Instructor. You will have to 20 rebreather dives and a classroom orientation about to teach the course.

**Duration:**

*Please contact us for the pre-requisites of these courses*

## Gas Blender courses



DSAT Gas blender, nitrox and trimix

This course covers how a compressor works, how to fill a tank with enriched air using different methods of enriching the mix and touching on oxygen cleaning. This course is valuable to technical instructors or any instructor for that matter want to blend their own tanks! During this course you'll also learn how to use the software that can calculate how much  $O_2$  needs to be added to make a blend, without trying to remember your formulas. There is plenty of self-study on this course as there are a lot of areas that you will cover as

well as Trimix Blending and rolling tanks to insure a successful mix. A very interesting course that covers how a scuba tank looks in the inside and what it's subjected to! You will never look at a scuba tank the same way again!

**Duration 1 day**

## Gas Blender instructor Nitrox and trimix

You might be certified to blend gas, but do you want to teach others to provide gas mixtures? If so, the PADI DSAT Gas Blender Instructor course might be just what you're looking for. The PADI DSAT Gas Blender Instructor course is one of the most informative and comprehensive programs available, incorporating instructional philosophies and course goals that directly address the demanding nature of gas blending.

### **Duration: 1 day**

"We can tailor made your courses, possibility to do your programs on liveabaord or on our daytrip boat. Possibility to do your Tec education in segments, you can start your course anytime and come back to finish it anytime you want."

## Tec safari's

### HMS Vestal, mine sweeper wreck



In late July 1945 during WWII a Japanese Kamikaze hit the HMS Vestal, an Algerine class minesweeper displacing 900 tons of water. The damage was so severe that the ship was scuttled, giving it the dubious distinction of being the last Royal Navy vessel sunk in WWII.



The *Vestal* now lies on its keel on a sandy bottom, 76 meters below the surface. The ship is covered in nets, adding to the mystery and danger, and a variety of sea creatures have made this military ghost their home. The ship's main cannon (with a barrel diameter of four inches) and four 20mm guns are in excellent condition, making this wreck truly

spectacular.

### **1 Day - 76m - Trimix**

*Please contact us for the details of the HMS Vestal dive*

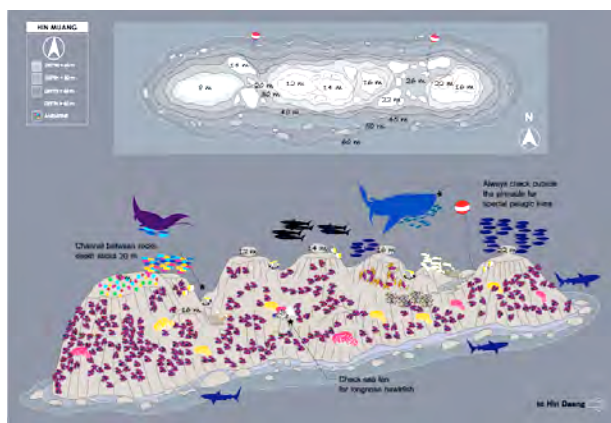


## Hin Daeng / Muang



home.

**Hin Daeng** (Red Rock) is a familiar name for anyone interested in Asian diving. It is often rated Thailand's best dive site, and features several different drop offs connected by rock shelves at many levels. The coral and marine life are outstanding here. Most dive guides list Hin Daeng as a sure place to see whale sharks and manta rays. There are no sure things but with a bit of luck you'll have a special diving story to take

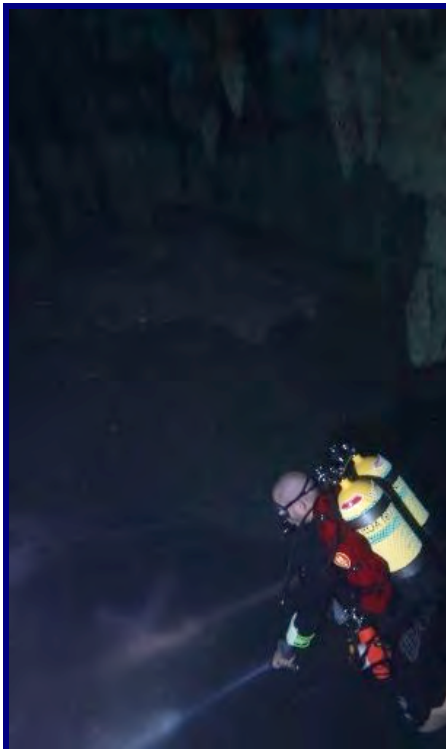


Just 500 meters from Hin Daeng lays sister site **Hin Mueng** (Purple Rock). This might not be the first dive after your Open Water Certification, but with a bit more experience this dive is a must. **The reef has five "legs", the shallowest at 8 meters and the deepest at 70 meters, one of the deepest sites in Thailand.**

**From 1 day - Air or Trimix - Max 70m**

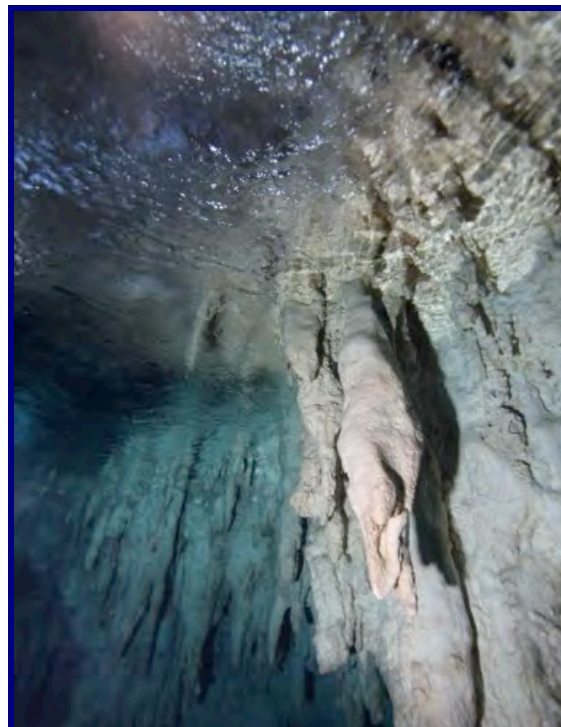


## Cave Diving



**Koh Phi Phi Leh cave.** The entrance is at about 21 meters and the cave goes in for around 100 meters. One misplaced fin kick and the silt kills visibility. The water becomes super clear once inside the cave and thermo clines shimmer where fresh and salty water mix. Stalactites hang down from the ceiling, pointing to the fact that thousands of years ago the sea level was much lower. We surfaced in the final chamber before slowly making our way back out of the cave. I managed to get some quality shots despite not having any strobes for the camera. I just had a small hand torch.

After the first cave we made a short swim to a second cave. Blacktip Sharks! Lots of them! We weren't expecting them so it was a bonus to an already wicked dive.



***“Paul Donnelly I plan to spend the rest of my life searching for a dive to top that one...reckon it will be hard to find but no worries, I will always feel so happy and privileged to have shared that hour with great divers in wondrous surroundings and with amazing creatures!!! The search will continue....”***

## Contact info

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