Slide 1 Opening

Thank you very much Shirly. Now I am very proud to introduce to you our extraordinary product that will exponentially enhance the safety and enjoyment of scuba diving- intelligent nitrogen level sensor integrated with the breathing regulator, or what we name it – Intro.

Slide 2 Outline

Today I’m going to tell you three things about Intro:

1. First, I’m going to talk about the mechanism of the product, how it really works.
2. Second, I’m going to tell you why our product is better than the diving table – which is the current existing solution, from approximately every perspective.
3. Lastly, I’ll tell you – the potential future divers who is ready to enjoy the astounding underwater scenes, how you are going to be benefited from our product.

Slide 3 3-Step Mechanism-First Step

Now let’s go to how it works, what magic is inside the ingenious device?

As displayed on the screen, our product is composed of two major components, one is the flow capacity and concentration sensor with Bluetooth technique integrated with the breathing regulator, another is a diving computer with preprogramed chip. Let’s go to the breathing regulator first.

The breathing regulator is the device that provide divers with air to breathe. And we’ll integrate the sensor inside the regulator. whenever the diver inhales and exhales, all the gas will go through this censor. The device will detect the flow speed of inhaling and exhaling along with the nitrogen concentration respectively.

Let’s recall some chemistry here:

What is the volume of gas of inhaling times the concentration of the nitrogen of inhaling? That’s exactly the amount of nitrogen that goes into your lung.

Similarly, what is the volume of gas of exhaling times the concentration of the nitrogen of exhaling? That’s the amount of nitrogen goes out of your lung.

(A equation here)

the sensor records the exact amount of nitrogen of each whole breath, then derives the difference of the amount of nitrogen goes in and goes out of your lung and add it up to the accumulated nitrogen. As we have mentioned, the sensor will transmit the information to the diving computer that your wear.

Slide 4 3-Step Mechanism-Second Step

Now let’s go to the second part, the diving computer around your wrist.

Under initialization, the device will ask the user his/her body weight, age and gender, then estimates the total volume of blood in the user’s body. When the user is diving, the pre-programmed chip integrated in the diving computer will calculate the real-time condition of the user’s blood nitrogen concentration.

Once the accumulated nitrogen has reached the level that will soon go beyond the tolerance of the diver but still enables the diver enough time for safe surfacing, the device will alarm the diver by creating loud sound and beaming red lights to warn the diver. Then the diver will follow the instruction of the device to complete his/her safe stopping and finally, safe surfacing.

Slide 5 – Comparison

This is our product, it’s simple and amazing, isn’t it? Why is it a lot more powerful than the diving table? Because everything that the existing solution lacks, we have. We have individual specific physical condition data to provide more accurate threshold for divers to refer to. Our product can provide real-time analysis of the user’s blood nitrogen concentration. These are the benefits that the static, outdated table will never have no matter how detailed it becomes.

Slide 6 – Benefits

Last part, and also my favourite part. How are you going to benefit from our product?

Our solution will benefit divers and encourage people to experience scuba diving by enhancing the safety method and reducing fatalities. With more accurate and real-time data about body nitrogen level, divers are equipped with the capability of making more appropriate decisions when surfacing or facing emergency. Divers will acquire more accurate safe-stop time to lease the nitrogen in their bodies and prevent the effects of decompression sickness and nitrogen narcosis. Thus, more people can enjoy themselves in recreational scuba diving with ensured safety.