



TELEDYNE VALEPORT
Everywhere you look™

Teledyne Valeport

'Silver tubes'

Iain Slade

Innovation and Product Manager

islade@Valeport.co.uk

How did we get here?

1969

**Established
in
Dartmouth
by Jim
Stevens**

1981

**Acquired by
Oceonics
Ltd**

1985

**Acquired by
Charles
Quartley**

2003

**Valeport
moved to
Totnes**

2005

**Matthew
Quartley
became
Managing
Director**

2013

**Production
expanded -
Reade
Building**

2020

**Valeport Water
established**

2021

**R&D, Sales,
Marketing,
Finance, HR
moved into
Radcliffe**

2024

**Acquired
by
Teledyne
Marine**



Key Products



SWiFT Family



TideMaster



miniSVS



miniIPS



VA 500 Altimeter



Bathy2



Model 106



SVX2

SWiFT Evolution



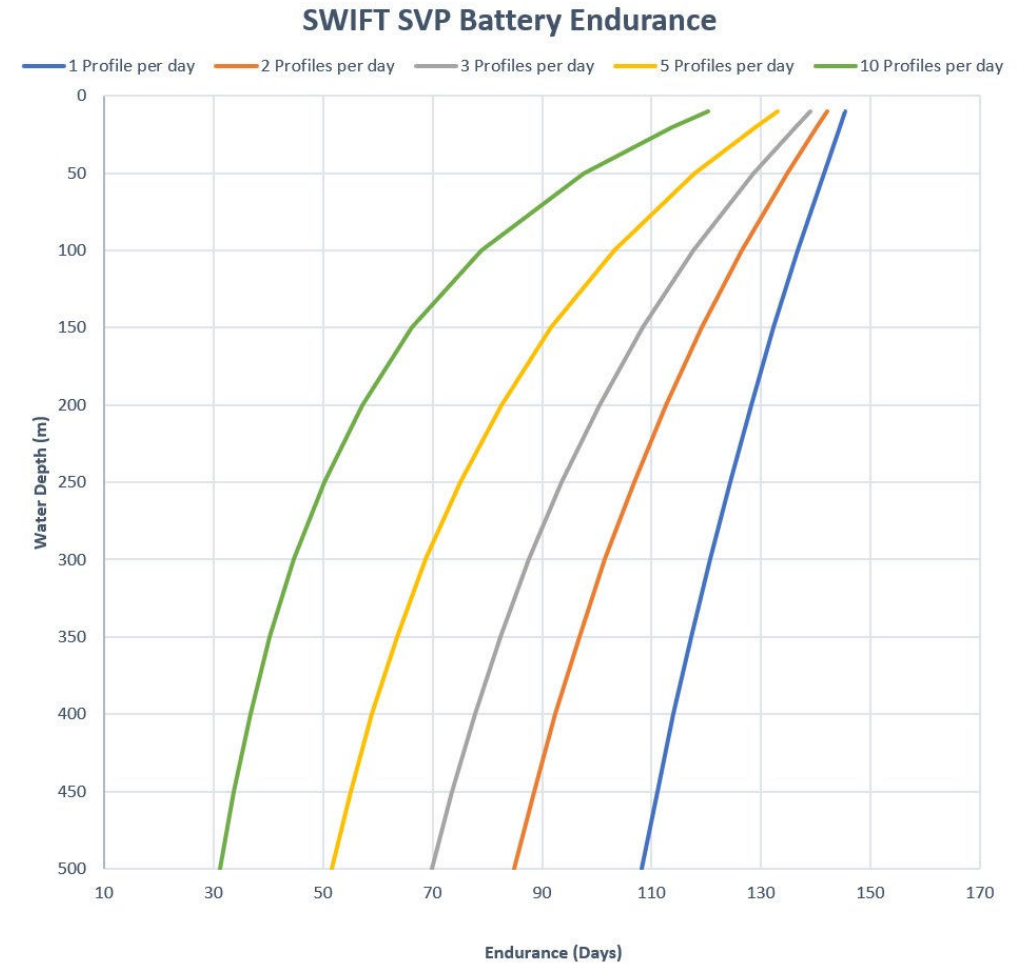
SWiFT Evolution

Swift SVP

- 5 days continuous running (normal power mode)
 - 100 days endurance 5 profiles per day to 100 m*
 - 70 days endurance 3 profiles per day to 500 m*
- (*Utilising Bluetooth Sleep mode)

Swift SVPplus

- 2 days continuous running (normal power mode)
 - 100 days endurance 2 profiles per day to 100 m*
 - 42 days endurance 3 profiles a day to 500 m*
- (*Utilising Bluetooth Sleep mode)



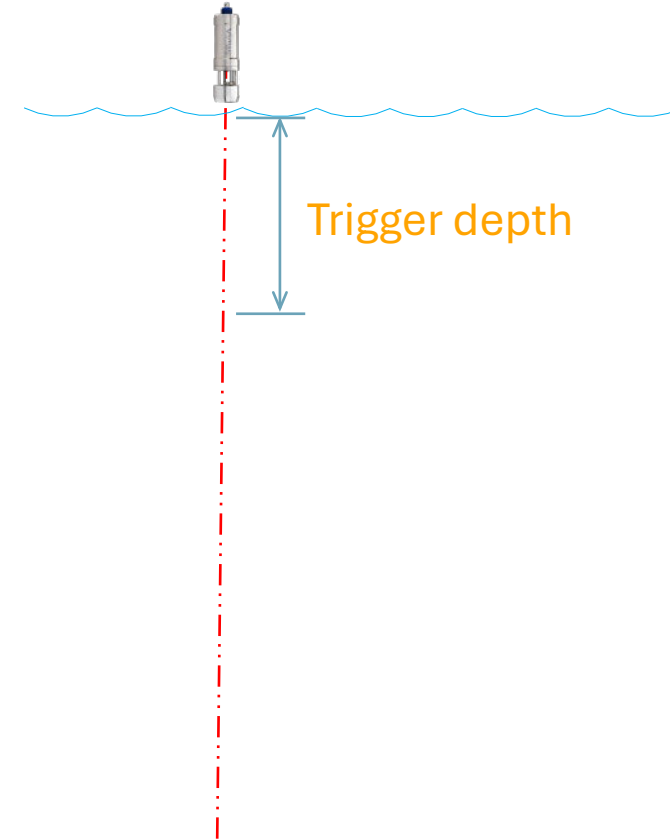
SWiFT Evolution

Fast continuous

- Previously continuous was at 1 Hz
- Continuous data now up to 16 Hz

ELViS Mode (Elevation Limited Vertical Sampling)

- Set a trigger depth
- Combined up and down cast



Hyperion fDOM

Fluorescing Dissolved Organic Material

- A fraction of CDOM (Chromophoric Dissolved Organic Material)
 - Used as an indicator of DOM (fDOM = ~1% of total¹)
 - A good indicator of 'water quality'
- Applications across a variety of environmental settings²:
 - Rivers/streams – impact of terrestrial influence
 - Lakes, coasts, estuaries – assess light attenuation, water tracer (hydrological/mixing studies)
 - Oceans – assess phytoplankton, light attenuation, ocean colour
 - Industrial – assess discharge, track pollution
- Required for Tryptophan measurement
 - In development – UV-C technology



Bathy2

Density corrected depth

- Complete rewrite of Interpreter
- Improved instrument read and run visuals
- Improved and updated output strings and legacy formats
- Ability to log a profile
- Ability to save a configuration
- Added calculated sound speed
- Multiple instances on PC



pH Sneak Peek

- pH Range 2 – 10
- Salinity 0.05 — 40 ppt, -5 — +35 ° C)
- Resolution 0.01 pH 0.001 ° C
- Accuracy +/- 0.05 pH, +/- 0.01 ° C *
- 1250 m depth rating
- RS232, RS485, Modbus RTU



 ANB Sensors



Teledyne Valeport

Thank you