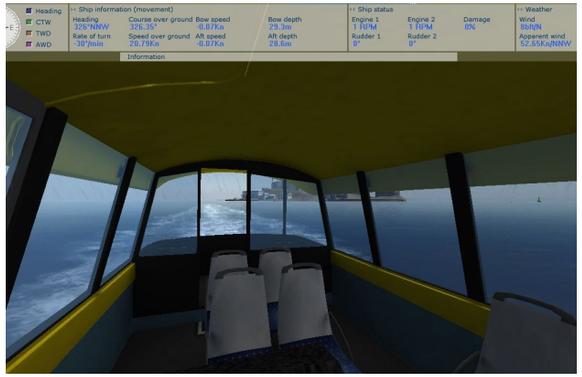
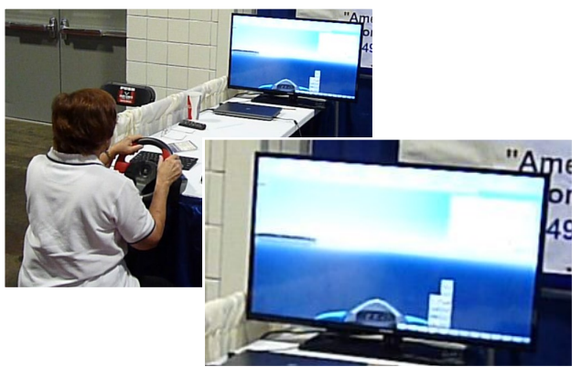
MuVIT™ features

- 360° view from helm plus a bird's eye view



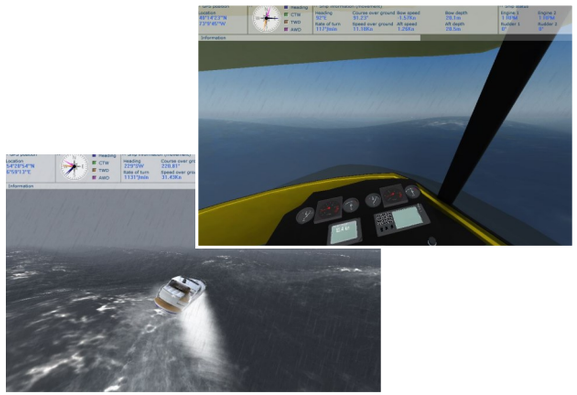
- User- / Instructor- selectable
  - Vessels
  - Environment / Locales
  - Weather
- 24 vessels ranging upwards from a jetski to a supertanker



- Single and twin engine configurations
- 15 actual locations including two in the United States

MuVIT™ features

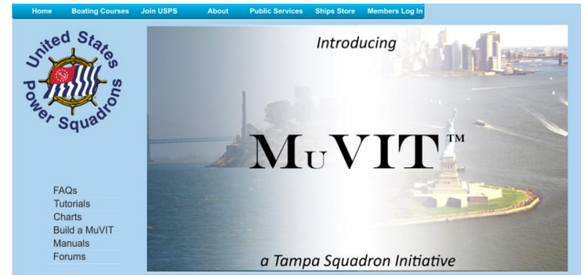
- New York City Harbor and San Francisco Bay locales correspond to the NOAA booklet charts 12334 and 18649
- Multiple starting points within a location
- Weather settings include
  - Time of day and season
  - Wind force and direction
  - Precipitation (clear, rain, snow)
  - Visibility (fog, stars, clouds)
  - Waves Limits - 0.2 meters in harbors and 4.0 meters in open waters offshore



- Accurate and reactive physics
- 70 pre-installed scenarios
- Free roam operation
- Mission Editor software to create and customized scenarios
  - Docking and leaving the dock with variable wind & current
  - Close quarters maneuvering
  - Commercial traffic interaction

MuVIT™ WebSite Support

http://tampaps.org/MuVIT/MuVIT.html



Multi Vessel Interactive Trainer

- **Frequently Asked Questions**
- **Tutorials for configurations and other software features, including the Mission Editor. Tutorials are a mixture of written documents and videos.**
- **NOAA Charts for the US locations**
- **Build a MuVIT includes costed bill of materials and sourcing recommendations**
- **Custom Missions Library a shareable collection of user-built training scenarios. Users are encouraged to upload their contributions for others to use**
- **User Manuals containing operating instructions**
- **Support Forum is an environment for users to exchange ideas, experiences, customized scenarios; to report issues; and, to request assistance.**

United States Power Squadrons®
Come for the Boating Education...Stay for the Friends℠

Tampa Power Squadron, Inc.
Lt/C Scott Morris, P
813-810-6914 MuVIT@tampaps.org

Add some hands-on involvement to your squadron's courses with affordable, interactive training

Provide realistic boating environments without the danger of live situations

Exhibit inertia and dynamic handling properties of various vessels

Pause the action for class discussion

You too can build a
Multi Vessel Interactive Trainer
for your squadron or district

Tampa Squadron's MuVIT™

- HP 4520A ProBook $700 *
  - I5 processor
  - 8GB RAM
  - ATI Radeon HD 7650
- *Ship Simulator 2008* by $40
  www.shipsim.com
- VRInsight Ship Console $400 **
- Steering Wheel $60 ***
  Logitech WingMan® Formula™ Force GP
- 40" HD Display $340

$ 1,540

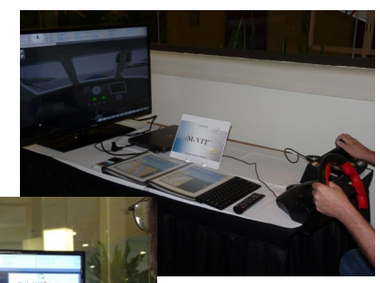
NOTE: All costs have been approximated.

Tampa Squadron's MuVIT™

* The HP ProBook is an obsolete model. This laptop was existing hardware and was not purchased for the MuVIT project.

** Ship Console was an upgrade to our earlier configuration which was reliant on a keyboard and a **3-Lever Pro Throttle Quadrant from Saitek costing $55**. The Saitek unit, while highly functional, was designed for flight simulators; therefore, it has no neutral detent.

*** Steering wheels are packaged with pedals since they are mostly used for racing car games. MuVIT does not use pedals. Tampa's pedals are sitting in a closet waiting for a need to arise.



MINIMUM SYSTEM REQUIREMENTS

Operating System: Windows XP (SP-2); Vista; or, Windows 7, 8, 8.1, 10 (32 & 64bit) *

*** Mac OS is NOT supported**

Processor: 3Ghz Intel Pentium 4 or AMD equivalent

RAM: 2GB (Windows XP) or 3GB (Vista, Windows 7…)

Graphics: NVIDIA GeForce 8800 GT or ATI Radeon HD 4850 with 256MB RAM

Hard Disk Space: 350MB

Drive: 4x PC DVD-ROM

Sound: DirectX Version 9.0c compatible

Input: Mouse with scroll wheel and a keyboard

Interfaces: 3 USB and 1 video (VGA, HDMI, DVI)

Most reasonably modern computers will meet or exceed the minimum requirements. The minimum CPU is a single core so any i3 or better CPU should work.

Do not purchase a new system unless you must! Check the capabilities of existing systems by opening the windows control panel. And select System and Security, select System and then click on Device Manager. Select Display Adapters or Processors to determine if the machine meets the minimum requirements.

Systems capabilities can also be tested by downloading and running the demo software http://www.shipsim.com/downloads/demos.

Why MuVIT?

Originally built as a tool to augment the United States Power Squadron® courses taught by the Tampa Power Squadron, MuVIT™ was developed as a low-cost and easily transportable boating virtual trainer.

The video screen is the largest component in the configuration; the wheel and control panel/throttles can be packed into two small boxes. The CPU is a commodity laptop. MuVIT fits comfortably in the rear seat of a compact car.

In addition to enhancing the teaching of America's Boating Course™, and because MuVIT has extensive environments and instrumentation available, the Tampa Squadron believes that the platform will be a useful aid in teaching the advanced grade courses of Seamanship, Piloting and Advanced Piloting.

As currently implemented, Tampa's MuVIT platform meets all the criteria to promote learning while maintaining a modest cost which we expect most, if not all, squadrons will be able to afford. That's right! MuVIT has worked so well in Tampa that we are freely sharing all the information needed for our fellow squadrons to build their own MuVIT platforms!