

U.S. Naval Submarine Training Center, Pacific

Pearl Harbor, Hawaii, United States



Interior Oil Spray/Bilge Fire



*Interior Aviation Flight Deck
15 x 15 Foot Five Zone Fuel
Spill Fire*



*Helicopter mockup fire at
Low Flame*

Structural FIRETRAINER® T-1000

Main Machinery Building:

- Oil Spray/Bilge Fire
- Electrical Panel Fire

Aviation Building:

- Five Zone Fuel Spill Fire
- Motor Generator Mockup
- Helicopter Mockup

Completed: July 2008

Fueled by: Propane

KFT™



Motor Generator Fire

Since its opening in 1976, the US Navy CNELSPH (Center for Naval Engineering Learning School-Pearl Harbor) training site has burned JP5 fuel, jet fuel, which needed a very sophisticated, expensive pollution control system to clean the exhaust air and the runoff water produced during training exercises. The US Navy decided to convert from the jet fuel system to a propane gas system, which burns much cleaner and does not require treatment of the training runoff water. The new propane system also uses only 5% of the propane the training site previously used to clean exhaust air in the old system. The US Navy chose KFT Fire Trainer to implement the conversion to the propane training systems, continuing a long-standing relationship based on confidence and reliability in the quality and safety of KFT's fire training systems.

At the CNELSPH, the training systems consist of two structures that replicate a maritime shipboard machinery room, and a maritime hangar deck. In the shipboard machinery room, there are simulated oil spray/bilge fires and electrical panel fires. In the hangar deck, there is a crashed helicopter with a large 15 x 15 foot fuel spill area, and a motor generator fire simulation. KFT's talented team of engineers overcame challenges in the fire generation equipment development and utilities distribution to each building to successfully establish this highly beneficial new training system.

The new propane gas system provides trainers with control capabilities of training with low flame fires to much larger, more intense and realistic fires than with the jet fuel system. In addition, the propane system has provided the Navy with a more cost-efficient, environmentally-friendly training system, with higher safety during exercises. The entire CNELSPH staff is very excited to soon begin using the new training system in the Fall.