

**James W. Cartmell**

NAVSEA Shipyard Instructional Design Center

Norfolk Naval Shipyard, Code 1170

Portsmouth, VA 23709-5000

757-396-7932 (Office)

757-396-1688 (Training Center)

Office email: [Cartmelljw@nnsy.navy.mil](mailto:Cartmelljw@nnsy.navy.mil)

1-877-395-1690 (Numeric Pager)

Pager email: [8773951690@my2way.com](mailto:8773951690@my2way.com)

**Instructor Profile:**

Mr. Cartmell joined forces with the NAVSEA Shipyard Instructional Design Center (SIDC) located at the Norfolk Naval Shipyard (NNSY), Portsmouth, VA, as a result of the 1993 Base Realignment and Closure Commission (BRAC). As a training Specialist with the NAVSEA Training Information Resources Office (TIRO), located at the Mare Island Naval Shipyard (MINS), Vallejo, CA, Mr. Cartmell performed instructional design, training program management, and provided expert instruction to the NAVSEA Submarine Structural Closure Inspection & Repair (SSCIR) course until his Transfer of Function departure in 1995.

Prior to performing duties with TIRO, he was assigned to the MINS, Design Division, Waterfront Support Branch, (Code 250.25), working as a Naval Architecture Technician, from 1987 to 1991, and in the Marine Machinist field (Shop 38) from 1977 to 1987. Major duties included providing technical evaluation and repair guidance to Naval shipyard repair shops, NAVSEA Technical Codes and field activities on submarine watertight hatch and door components, and submarine Steering and Diving systems. Mr. Cartmell is considered by the Navy community as the leading expert in the field of submarine hatch maintenance and repair based on his many years of diversified fieldwork. Mr. Cartmell is frequently contracted by NAVSEA, Naval repair facilities, and the Fleet to provide component/system consultation and evaluation, diagnostic troubleshooting and assessment of component malfunctions, project management of urgent repairs, and in-house specialized training.

His education includes four years of vocational high school machine shop courses; two years of community college machine technology courses; and two years of specialized university business and engineering courses. Attending the University of California at Berkeley, he earned certification in Training and Human Resource Development while concurrently earning certification in Hazardous Material Management from the University of California at Davis. His expertise in the field of training earned him honors from UC Berkeley. A 1979 graduate of the Department of the Navy (DoN), Submarine Auxiliary Equipment Package Course, Naval Submarine School, Groton, CT, Mr. Cartmell is distinguished as being the Navy's first civilian candidate and graduate.

Based on Mr. Cartmell's vast experience on submarine structural closures, he was keynote speaker at the **1988 NAVSEA Submarine Watertight Hatch and Door Conference** held in Arlington, VA. At the conference, he identified major problem areas experienced throughout the Navy with shipyards executing hatch repairs. Structural closures were added to the Navy's Top Management Attention (TMA) list. TMA ranked submarine closures as the Navy's #5 problem and dedicated resources to help resolve several problem areas under Mr. Cartmell's direction. His twenty-five year career as a problem solver has gained him numerous awards highlighted by the DoN's highest civilian honor, the **Distinguished Civilian Award** medals presented by the Secretary of the Navy in 1991. His simple design of the **Submarine Watertight Hatch Grease Seal O-ring** now adopted on all new class submarines; and two easy to use technical manuals entitled "**Submarine Watertight Hatch and Door Troubleshooting and Repair Guides, Volume I and II**", are several of his many valuable contributions to the Navy. Currently, he is working with NAVSEA Technical Code and Naval Underwater Warfare Center (NUWC), Carderock Division, to develop the long awaited Navy Ship's Technical Manual (NSTM) Chapter 624, for consolidation of structural closure technical requirements, maintenance, troubleshooting, and repair guidance.