



## Richard W. Hoffmann, Sr.

---

Richard 'Hoffy' Hoffmann, Sr. is the President/CEO of HFT Fire and Rescue Technologies and Equipment, LLC, located in Salem, Oregon. He served over 20 years volunteering and professionally (State of California Dept. of Forestry, Military, and Corrections) until medically retired as a Correctional Fire Captain/Peace Officer leading/training inmate crews through 2000. Mr. Hoffmann is a respected author and inventor, securing two (2) patents, with his third and fourth pending, specializing in Fire and Life Safety, Rescue Operations, and Haz-Mat Specialist instruction. He is a public speaker, hosted a television broadcast, was nominated for two life-saving awards, is recognized as a 2023 Top100Registry.com in Fire and Rescue, and entered into Marquis Who's Who in America more than a half-dozen times. In 2021, Mr. Hoffmann gained recognition interviewed on BlogTalkRadio.com, reaching 24 million listeners for his contributions to firefighter and child life safety and as the sole inventor of the only mechanical calculator (Slide-Rule) invented in the 21st century. In 2006, the Dean of Students at Texas A&M University Fire School requested the copyright to his video content from <http://HoseRoller.net> to train all (international) fire personnel attendees on more efficient and SAFER fire hose deployment. – Trademarks: **'Fight the Fire... NOT the hose!'** ...with **'The Technologies to Take the HEAT!'**

Mr. Hoffmann's patented dual fire hose roller/coiler provides "Garden Hose" technology to prepare fire hoses for immediate deployment and rolls hoses of all sizes and lengths, as the first-ever to hand-roll up to 100-foot lengths of 5" Large Diameter Hose (LDH) in the field. His revolutionary methodologies significantly enhance firefighter safety in that any hose bundle or 'pre-connect' can be deployed within feet of any fire apparatus and with zero water-restrictive kinks to achieve full nozzle pressure in mere seconds, significantly reducing the risk of **'Burn-Over'**, primarily upon imminent **'Area-Ignition'**; and the first to demonstrate only one firefighter is required to fully charge up to 200 feet of 2 ½" hose (Blitz-line) within eight (8') feet of the rear of any apparatus and then deploy it up to its full length, including around right-angle turns, and yet without ever dragging but a few feet of hose ever (<http://NoDragHoseLoad.com>). He is also the first to invent a dual/parallel line wildland hose lay (<https://HENway.org>) method in which half the water flows in each line; thus, Friction Loss (FL) is reduced by 75%! A 75 GPM hoselay limited to 600' feet on a 32% Grade can be extended another 500 feet to 1,100 feet and pump 639 feet higher (with 56% better **"Knock-Down"** than 60 GPM); **Class "A" foam** at 25 GPM can extend another 900 feet to 1,500 feet as any portion of the 'supply' line can transition into an inch-and-a-half (1 ½") **ATTACK LINE** to contain better any fire-line **'ESCAPE!'** with an over 1,000% more effective fire stream than the limitations of one inch (1") laterals at only 23 GPM.

This versatile device also quickly transitions into a 4:1 mechanical advantage <http://RescueWinch.com> system that can safely belay multiple rescuers over a cliff (with multiple rescue baskets) or from the top or an upper story of a high-rise to quickly and efficiently raise or lower multiple victims to safety and potentially within their "Golden Hour" before Medivac assistance arrives. He is also the author of **"Wildland Fire Hydraulics - Myth or Math"** (<https://HydraulicsBook.com> - which shattered the US Copyright Office's century-old approval record in half!), educates all Driver/Operators pump theory of how to estimate **"TOTAL" Wildland Fire Engine Pressure** (EP) within seconds with his Android and iOS <https://HydraulicsApp.com>; as a SAFETY backup, as all smartphones can fail, Mr. Hoffmann has also invented the world's only **'TOTAL'** (EP) <https://HydraulicsSlideRule.com> in Fire Service History. When neither is available, he also created the first-ever Wildland Fire <https://HandHydraulics.com> calculation method to estimate proper Pump Discharge Pressure (PDP) in **'REAL-TIME'** (to meet **NFPA 1002, 1041**, and **OSHA 29 CFR 1910.156 (C) SAFETY** requirements) in which every Driver/Operator shall (can now easily) demonstrate proficiency **'to produce an effective fire stream at the rated flow of the nozzle.'**

As a Fire Protection Specialist, especially in the Wildland Urban Interface, Mr. Hoffmann has created a satellite internet, power-grid independent, local smoke, heat, and Fire District and/or overhead satellite wildland fire detection activated <http://ExteriorFireProtection.com>, yet **intermittently** controlled sprinkler (and full-time fire attack hose) system to ensure a backyard pool/water-well cistern storage tank lasts indefinitely upon auto, phone app, and manually operated pumps (or utility water district source) to spray atomized droplets in a full-pattern, dampens any immediate Defensible Space as ignition resistant; FREEING-UP fire apparatus and crews to **'Shelter-in-Place'** far <https://SaferFromWildfires.com> as a community can be (pre-wet) <http://FireWiser.org> protected, yet upon reduced risk of overwhelming its emergency fire hydrant and water distribution system.

Mr. Hoffmann has not only also invented the world's first-ever functional fire <http://HoseCabinet.com> (up to 100' of 1 ½" 'Rack' fire hose fully charged/deployed from any four-foot diameter area establishing continuous fire protection in seconds), but he's the sole developer of the first-ever <https://WaterTenderApp.com> to estimate the delivery rate (GPM/LPM) and the correct number of water tenders to order, and the minimum portable storage tank capacities required to meet all fire flow needs. Lastly, Mr. Hoffmann is the founder of <https://EveryoneGetsHome.org>, which supports the surviving <https://FallenFiance.org> upon the ultimate sacrifice given of any First Responders and Military Personnel who will otherwise receive zero death benefits due to an unexpired (wedding) calendar date. Please also enjoy his beautiful artwork at <http://BestPainterOfLife.com>.

Mr. Hoffmann is the proud father of five (5), three (3) adults, and two (2) currently in high school. His oldest daughter was born on 911, his oldest son serves as a Naval Aviator/Officer who was promoted as the second-highest-scoring (Special Forces) Rescue Swimmer cadet in US Naval history.

Company: HFT Fire and Rescue Technologies and Equipment, LLC  
Location: Salem, Oregon  
Title: President/CEO  
Contact: [rich@hftfire.com](mailto:rich@hftfire.com)