



Richard W. Hoffmann, Sr.

Richard W. Hoffmann, Sr. is the President/CEO of HFT Fire and Rescue Technologies and Equipment, LLC, located in Salem, Oregon. He served over 20 years, both volunteer and professionally, until medically retired as a Correctional Fire Captain/Peace Officer leading/training inmate crews thru 2000. Mr. Hoffmann is a respected inventor with two patents, with his third and fourth pending, specializing in Fire and Life Safety and Haz-Mat instruction. He is a public speaker, nominated for two life-saving awards, and hosted a television broadcast. In 2021, Mr. Hoffmann gained recognition interviewed on BlogTalkRadio.com, reaching 24 million listeners for his contributions to firefighter and child safety and as the sole inventor of the only mechanical calculator 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.

Mr. Hoffmann's revolutionary fire hose deployment methodologies significantly enhance firefighter safety by preparing any hose bundle or pre-connect hose line to be utilized within feet of any fire apparatus and with zero water-restrictive kinks to achieve full nozzle pressure in mere seconds when it truly counts. Not only has he demonstrated a method for one firefighter to deploy up to 200 feet of 2 ½" hose to its full length, even around right-angle turns yet, without dragging but a few feet of hose at any one time (<http://NoDragHoseLoad.com>), but he has also invented a dual/parallel line wildland hose lay (<https://HENway.org>) method that because half the water is flowing in each line, the Friction Loss (FL) component is reduced by 75%! A 75 GPM hose lay limited to 600' feet on a 32% Grade can extend 500 feet to 1,100 feet and pump 639 feet higher with 56% better "knock-down." Class "A" foam at 25 GPM can extend to 1,500 feet, and in all scenarios, a secondary attack line/nozzle is connected at any point to fight a fireline escape. His patented dual fire hose roller/coiler utilizes "garden hose" technology for immediate deployment anywhere and rolls hoses of all sizes and lengths. It is the first-ever to roll up to 100 feet lengths of 5" Large Diameter Hose (LDH) in the field.

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 an upper story or top of a high-rise to quickly and efficiently retrieve/lower multiple victims, potentially well within their critical "Golden Hour" even before Medivac assistance arrives. He is also the author of "[Wildland Fire Hydraulics - Myth or Math](#)," (a manuscript that shattered the US Copyright Office record in half!) written to educate any Driver/Operator on both theory and application of how to estimate "TOTAL" Wildland Fire Engine Pressure within seconds with both his Android and iOS <https://HydraulicsApp.com>. As a SAFETY backup when every phone is subject to failure, Mr. Hoffmann has also invented the world's only Wildland Fire <https://HydraulicsSlideRule.com> (stored in any fire apparatus glove box for immediate use), accomplishes the same result in REAL-TIME (seconds) to meet the NFPA 1002 requirement that every Driver/Operator shall estimate proper Engine Pressure (EP) 'to produce an effective fire stream at the rated flow of the nozzle.'

As an expert in both fire suppression and prevention, especially in the Wildland Urban Interface, Mr. Hoffmann has created a power-grid independent, satellite internet-controlled <http://ExteriorFireProtection.com> sprinkler (and fire hose) system in that a backyard pool or standard water storage tank will last indefinitely upon (remote) manual phone app or local heat sensor auto-activation to intermittently operate water pumps to spray atomized water droplets in a 360-degree full-pattern are wind-driven to dampen the immediate defensible space to render any surface as impervious to ignition to ensure <http://WetHomesDontBurn.net>.

Mr. Hoffmann has not only also invented the world's first-ever functional fire <http://HoseCabinet.com> (up to 100' of 1 ½" fire hose fully charged and deployed from a four-foot diameter coil configuration on the floor below, but he's the sole developer of the world's first <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 capacity required to meet 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.

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