

Mr. Valeriy Ivanov has designed and built a remarkable, innovative fire-fighting system with his Impulse-Storm. I am both a Structural and a Wildland Firefighter and have been since 1967.

I am currently an Emergency Manager and Incident Commander for the Los Alamos National Laboratory in Los Alamos, New Mexico, USA. In the past I have been a Fire Chief, on a HAZMAT Team, an Emergency Medical Technician, and a Rescue Specialist.

While Mr. Ivanov designed his system for use in the Oil, Gas, and Chemical Industries, I am fascinated by the possibilities it offers for Wildland Fire applications.

His fire suppression agent works on Class A fuels as well as Class B. It's my opinion that the Impulse-Storm System can radically change wildland fire-fighting tactics. Currently, all major tactics used in forest-fire control are defensive in nature. They based on denying the fire fuel by cutting firelines with heavy equipment or by hand or using aircraft delivered chemical retardant to serve as a barrier to the on coming fire. Once a line is complete, the fuel between the line and the fire is it self ignited to, hopefully, create a gap wide enough to stop the fire.

The Impulse Storm system mounted on a tank chassis provides the means to switch to offensive tactics. The system allows for the saturation of a relatively large area with a chemical suppressant, very quickly extinguishing the fire. This gives firefighters a method of attacking the fire, something that current fire-fighting technology does not allow. A further application of this technology is the handheld system. This system would be very useful in combating High-Rise and Confined-Space type fires.

I believe Mr. Ivanov has invented an innovative, very useful new method of Fire Suppression. This methodology will be invaluable in many fire-fighting applications.

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