



**Hexagon Digital Wave Partners with Firefighters Without Borders to Provide Life Saving SCBA
Cylinders for Fire Departments Worldwide.**



In March of 2019, Hexagon Digital Wave partnered with Firefighters Without Borders (FWB). This amazing organization is dedicated to helping fire departments around the world prepare to deal with their next emergency – no matter how big or small.

Ryan Pennock, Head of Marketing at Hexagon remarked, “this partnership was a no brainer for us. FWB’s passion to help underfunded fire departments aligned very closely with ours. If we have the resources to help communities and fire departments from around the world prepare for the next emergency, then it’s our duty to do so.”

Together Hexagon Digital Wave and FWB will ship the very first recertified cylinders to rural communities and Fire Departments throughout Colombia this fall. “Providing sustainable solutions to complex problems is a value held in high regard by both FWB and Hexagon Digital Wave.”, says Dan Rowland, Equipment Committee Director of Firefighters Without Borders.

This exciting new partnership is all made possible using Modal Acoustic Emission (MAE) and [DOT SP-20396](#). Much like seismology, MAE uses wave modes to determine a cylinder’s material composition and to find any structural damage. Analyzing wave modes collected through the MAE testing process gives real-time insight to the integrity of DOT-CFFC cylinders. This is the most accurate and safest type 4-cylinder testing method worldwide.



About Hexagon Digital Wave

Digital Wave was formed in 1992 by president Dr. Michael Gorman with a focus on designing acoustic emission equipment. Specifically, it was a result of his research involving the relationship between source, material and the wave modes excited in typical engineered structures. These advancements have put Digital Wave at the forefront of the acoustic emission industry. Primary MAE focus in recent times has been in the metallic and composite pressure vessel industries.

<https://www.digitalwavecorp.com/>

About Firefighters Without Borders

FWB believes in sustainability and we achieve that goal in several ways. As each project is specific to the needs of the community, we work closely with the team on the ground to build a strategic plan addressing the needs and goals the community, be it training, equipment or a mix of both. We ensure that all equipment donated for the project is safe and in good working order, and that community has the means to ensure it remains that way once we leave.

<http://firefighterswithoutborders.org/>