



James (Jim) Burkhart
Chief Technical Officer and Co-Founder

Mr. Jim Burkhart has been involved with the engineering and development of engines to run on 100% natural gas since 1995. He started this development on the Cummins L10 but later switched to the Navistar DT466, because of its broader base of users, where he received ultra-low emissions level (ULEV) certification from both EPA and CARB on testing performed at Southwest Research Institute, in 2000.

After helping form Emission Solutions, Inc., in 2003, Mr. Burkhart refined and then patented his process, which incorporates upgraded hardware, the newer DT466E engine platform and computerware, and a new electronic control module. This new, state of the art technology has proven to produce the lowest emissions in the world for medium to heavy duty engines, as tested by Southwest Research Institute and certified by EPA and CARB, and is utilized in our current production engine.

Mr. Burkhart is currently developing the Phoenix NG 7.3L engine to meet the 2010 EPA/CARB certification for emissions, and is also working on developing a propane version of this engine as well. Additionally, a project is underway for designing engines to run on both natural gas and propane for international applications.

Prior to Mr. Burkhart's involvement with this repowering technology, he served for four years active and four years inactive duty in the USAF, where he worked on missile systems and associated computers and was then hired by IBM to attend the Cape Kennedy, six month computer and launch systems schools and became a member of the launch team for every Saturn V space program launch, which put the first man on the moon and brought him home.

After the Saturn V program, Mr. Burkhart transferred to IBM sales, where he achieved Presidents Club Awards each year of his tenure, and later joined CCI, a computer company, where he sold systems to most of the major law firms, the inspector generals office in the pentagon, the social security administration in Washington, D.C., National Airlines in Florida, Boeing Airplane Company in Seattle and Citi Corp in St. Louis. He has also owned and operated a garage where he developed racing cars with over 150 wins.