We help you reduce your carbon footprint!

Your carbon footprint defines who you are in the world. We all take it more seriously today than ever before! The difference is that today we offer you a way for you to take control to reduce and in some cases eliminate your carbon footprint … right there, right now, right where you live!

Two 21st century technologies make this possible. They are "IOT" and "AI". These acronyms stand for:

IOT: The "internet of things"
AI: "Artificial intelligence"

And, our solution is 100% self-managing. Nobody needs to be retrained. No one needs a new skill set.

The so-called wet mechanical hydrocarbon emission control system is a mature technology. It was developed in the 1980s, and has since been mechanically refined and optimized, but it is now considered obsolete.

What was always missing was up-to-date automation. For the first 25 years these wet mechanical adsorption-absorption pressure swing systems known as vapor recovery systems, or VRUs, were controlled with rudimentary step-timers, relays, and switches.

Old game. New rules!

At the start of the new millennium SYMEX Technologies introduced the world's first comprehensive and intelligent dry VRU with an up-to-date controls system and an AI inspired software bundle. It's specialty FlowMax™ activated carbon prevents heat-ups. This new and world-renowned DRYVac™ Hydrocarbon Vapor Recovery Unit is now considered the world-wide standard. It's a true game changer!

For the first time ever VRU outlet emissions are now measured rather than assumed, and since DRYVac™ the world learned that too many older wet VRU systems fail to perform!

Now SYMEX Technologies has changed the game again!

We only design site specific VRU Systems for your application. We work with you until agree on a suitable PFD and P&ID. Then we develop detailed and comprehensive design drawings in AutoCAD. You use our fabrication drawings to have your system fabricated locally, eliminating costly import duties and freight while using local facilities and talent you already know.

You decide if you want us to supply the automation instruments, valves, and controls or not. If so we spec, procure, and supply them as a package. Either way you install the automation system and wire it according to our electrical drawings.

We supply our AI operating system software: "OPIT™". It's a 21st century plug and play system, tailored to your specific design, so you install it just as you would install Microsoft's Windows operating system on a new PC. You perform your pre-start-up checks and procedures, and start the system up. OPIT™ does the rest. It's smart! It learns! It optimizes every phase of the entire process so all you need to do is provide normal maintenance for its components!!