

SMARTPROCESS BLENDER CONTROL & OPTIMIZATION

Delivering Blending Results

Pre-engineered package with flexibility for customization

Emerson Process Management's SmartProcess® Blender Control & Optimization Solution offers an opportunity to enhance the process control of a continuous in-line blender. The SmartProcess blending package includes complete regulatory control of the automated blend process for gasoline, diesel, or other non-petroleum based blending systems.



Complete regulatory control from order entry to final blend certification

Ever-increasing gasoline regulations call for tighter quality specifications, more components, and more product grades. Emerson's SmartProcess Blender package offers a solution to meet today's challenges and provide the required business benefits such as:

- Additional blender capacity
- Minimized quality giveaways
- Reduced touchups and re-blends
- Lower inventory requirements
- Increased capability to produce higher-value blends
- More effective use of components
- Lower implementation costs

SmartProcess Blender Control & Optimization features

- Recipe management
- Automatic startup
- Ramping and pacing
- Component ratio control
- Analyzer trim control
- Tank and Lineup module control
- Blend monitoring and tracking
- Automatic blend stopping
- Component and blend totalizers
- Blend reporting

The advanced control blend modules include:

- On-line & offline optimization
- Blend quality control
- Order management
- Enhanced blend reporting



Emerson offers a pre-engineered package with templates that can be customized to fit the unique requirements of a particular project. The package offers optional modules and features such as blend order management, analyzer trim control, recipe management, tank inventories and quality tracking.



Emerson's SmartProcess Blender Control & Optimization – a perfect fit.

Engineering and Process Expertise

Emerson Process Management has the process expertise and engineering experience to provide a turnkey solution. The project can be a new blend control system or a revamp of an existing one. Emerson's capabilities include design, construction and installation of a fully-instrumented, skid-mounted, in-line blenders, analyzer houses and sample systems.

Contact:
Emerson Process Management
T: +1 512.832.3575
email: ATT@emersonprocess.com
www.EmersonProcess.com/solutions/AAT

Our field services personnel can audit, engineer and replace faulty or poor-performing control valves, field devices, I/O and automation systems. We design and implement new control rooms, safety shutdowns, motor control centers and other auxiliary offsites systems. Our project managers oversee work performed by civil, piping and electrical subcontractors for a total, turnkey project.

Emerson's full suite of offsites solutions

With more than 20 years of offsites experience in thousands of installations, Emerson has delivered blend control optimization applications to refineries, terminals and blending facilities around the world.

Emerson delivers an industry-leading combination of technologies and expertise from our family of process and automation companies including SaabRadar, Daniels, MicroMotion, and METCO. This blend of technologies, expertise and experience in specifying, designing, implementing, and integrating offsites are key to what makes up a SmartProcess optimization solution.

We cover complete tank farm management, terminal management and movement automation systems, including integration with many legacy automation systems. Emerson helps you move and deliver products, reduce offsite operator errors, certify custody transfer systems and manage inventories.

*Actual savings of \$0.10
to \$0.20 per barrel of
blended product are
common.*

SmartProcess Solutions from Emerson

Emerson's process consultants are available to assist with any stage of a SmartProcess Blender control and optimization project in a variety of roles. Our industry experts can help you show immediate results on your companies bottom line. Call us to find out.

©2005 Emerson Process Management, LLLP. All rights reserved.

Emerson Process Management, SmartProcess, SaabRadar, Daniels, MicroMotion, METCO and the Emerson Process Management design are marks of one of the Emerson Process Management group of companies. All other marks are the property of their respective owners. The contents of this publication are presented for informational purposes only, and while every effort has been made to ensure their accuracy they are not to be construed as warranties or guarantees, express or implied, regarding the products or services described herein or their use or applicability. We reserve the right to modify or improve the designs or specifications of such products or offerings at any time without notice.