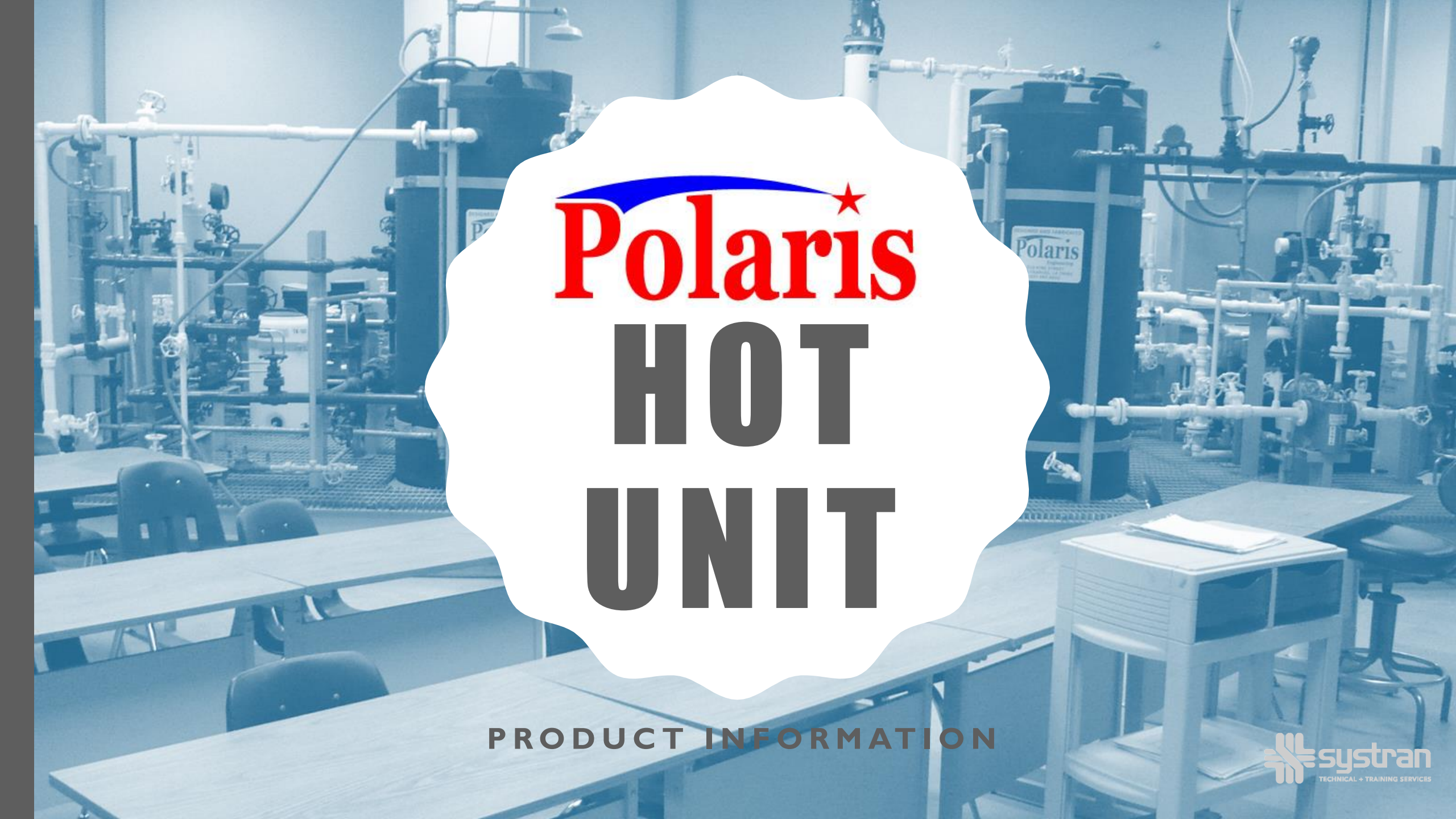
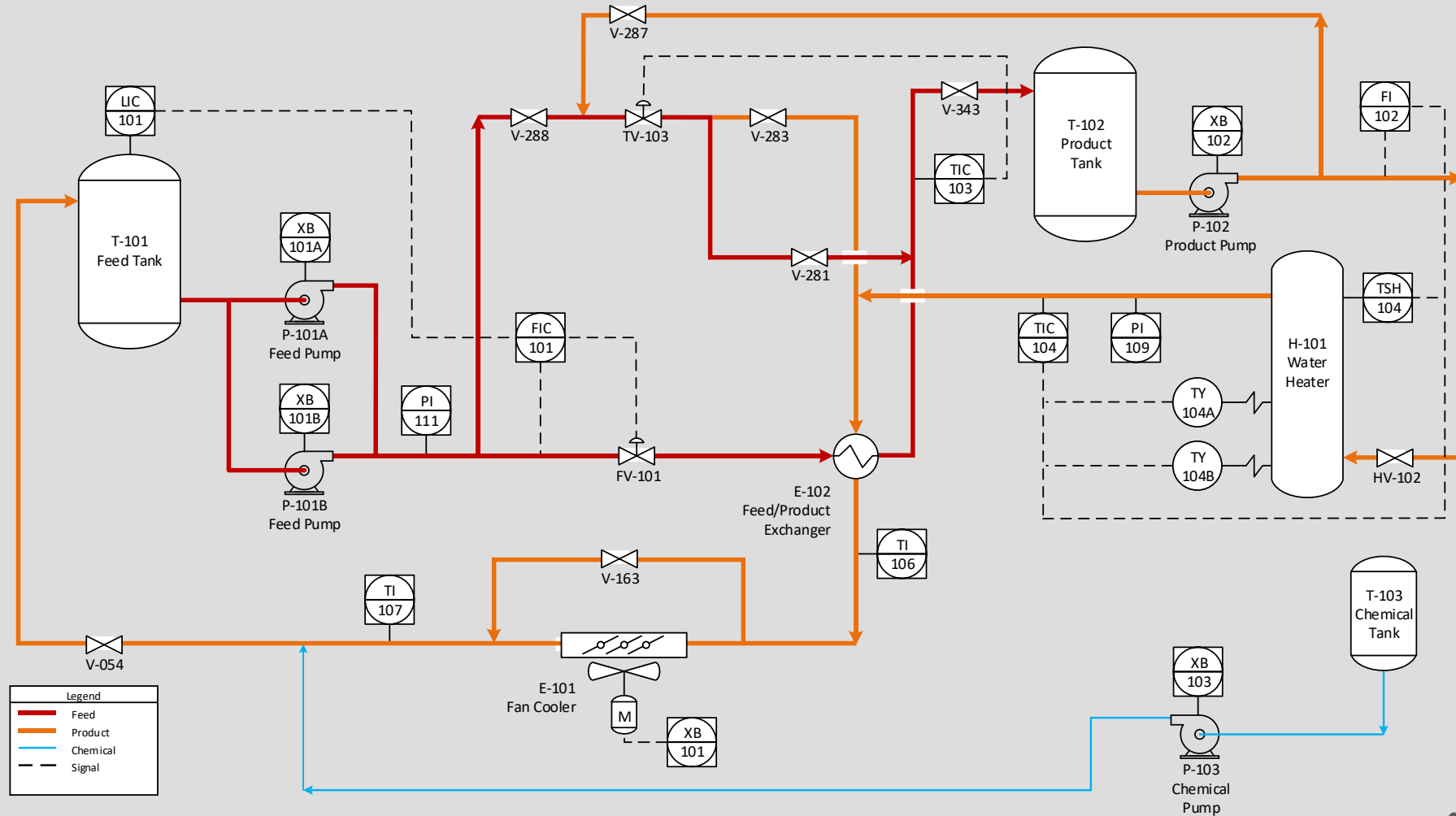




Polaris HOT UNIT

PRODUCT INFORMATION

HOT UNIT 1 - SIMPLIFIED P&ID



HOT UNIT 1



EQUIPMENT

- 24' L x 10' W x 7' 6" H
- Welded, structural steel
- Industrial grating work surface
- Welded and flanged process piping
- Duplex pump suction strainers
- Orifice flow assemblies
- 1.5 HP centrifugal pumps
- Shell and tube heat exchanger
- Fan-type air-cooler
- Electric heater
- 300 gal feed tank
- 300 gal product tank
- 20 gal chemical injection tank
- Safety Shower

HOT UNIT 1



INSTRUMENTATION

- Industrial-quality gauges
 - Pressure
 - Level
 - Temperature
 - Flow
- Gate, globe, swing-check, safety relief, and ball check valves
- Diaphragm-type control valves and positioners
- Flow and Pressure Control Loops
- Emerson Delta V DCS Control System

HOT UNIT 1



CLIENT SUPPLIED ITEMS

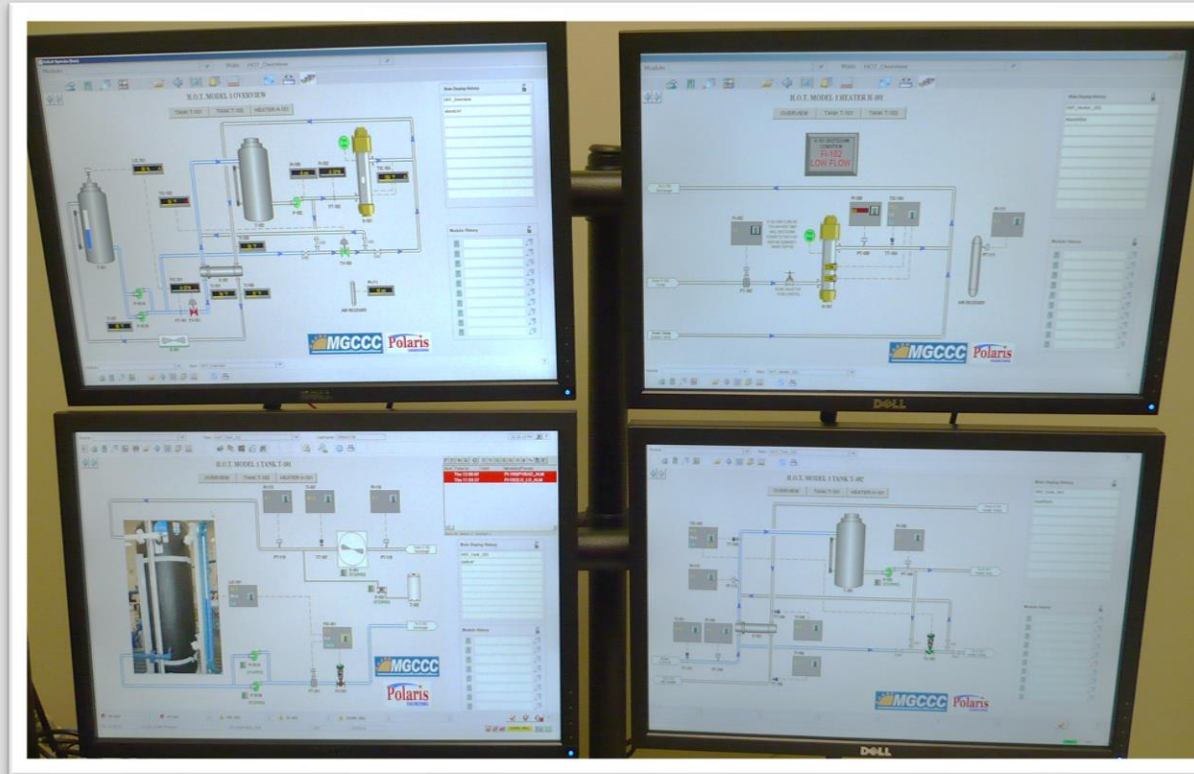
- Concrete pad or building
- Electrical supply
 - 480V 3-phase (100 Amp)
 - 240V Single phase (50 Amp)
- Make-up water supply
- Dry instrument air
- Forklift or crane for final positioning

HOT UNIT 1

TRAINING CURRICULUM

- Operating Manual
- Operating Procedures
 - Startup
 - Shutdown
 - Emergency
- Exercises
 - Rounds
 - Shift Handover
 - Lockout/Tagout
 - Troubleshooting
- Simulation*
 - CPM-300 Process Model
 - Training Workbook
 - Virtual Field Operator
 - E-Learning
- Enhanced Curriculum*
 - Process Equipment Animations

* Add-on Items



HOT UNIT 1



CLIENTS

- Alvin CC
- Baton Rouge CC
- Delmar College
- Nunez CC
- Itasca CC
- Kilgore College
- Lamar State College - Orange
- Lewis and Clarke CC
- Los Medanos College
- Louisiana Delta CC
- McNeese State University
- Mississippi Gulf Coast CC
- San Jacinto College
- SOWELA Technical Institute
- South Arkansas CC
- Spartanburg CC
- Texas State Technical College
- Western Texas College
- Wharton County Junior College

PRODUCT ROADMAP

 Complete
 In Development

2018-Q3	Polaris Material	Operating Manual 	Safe Work Practices 	Operating Procedures 	
2018-Q4	Updates	LOTO Procedures 	Consequence of Deviation 	Round Sheets 	
2018-Q4	New Products	Field Ops Workbook	Shift Team Workbook	Preventative Maintenance Procedures	
2019-Q1	Media Integration	Process Equipment Animations 	Visual Flow AR	Updated Virtual Field Operator	E-Learning
2018-Q4	Mobile Solutions	Mobile Rounds	Mobile Procedures		

BENEFITS

- Large community of installed users
- Real world, hands-on experience in a safe learning environment
- Full-size, industrial equipment, instrumentation and DCS
- Fully developed curriculum and training aids
- Polaris Team – Simtronics and Systran
 - Simtronics HOT unit process simulation and training aids
 - Systran animations, augmented reality, and workbooks
 - Dedicated training, service and support located in Houston, TX

CONTACTS

Sales

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