



Powerful Compressor Fleet
Optimization Tools



Compressor Fleet Optimization

GPAC/PJVA Conference

November 14, 2012



Detection Technologies

- ❖ Engineering services to optimize and manage natural gas compressors
- ❖ Global client base:
 - ❖ US (all major basins)
 - ❖ Canada
 - ❖ Australia
 - ❖ West Africa
 - ❖ South America
- ❖ Offices in Calgary, Houston, Pittsburgh, Brisbane



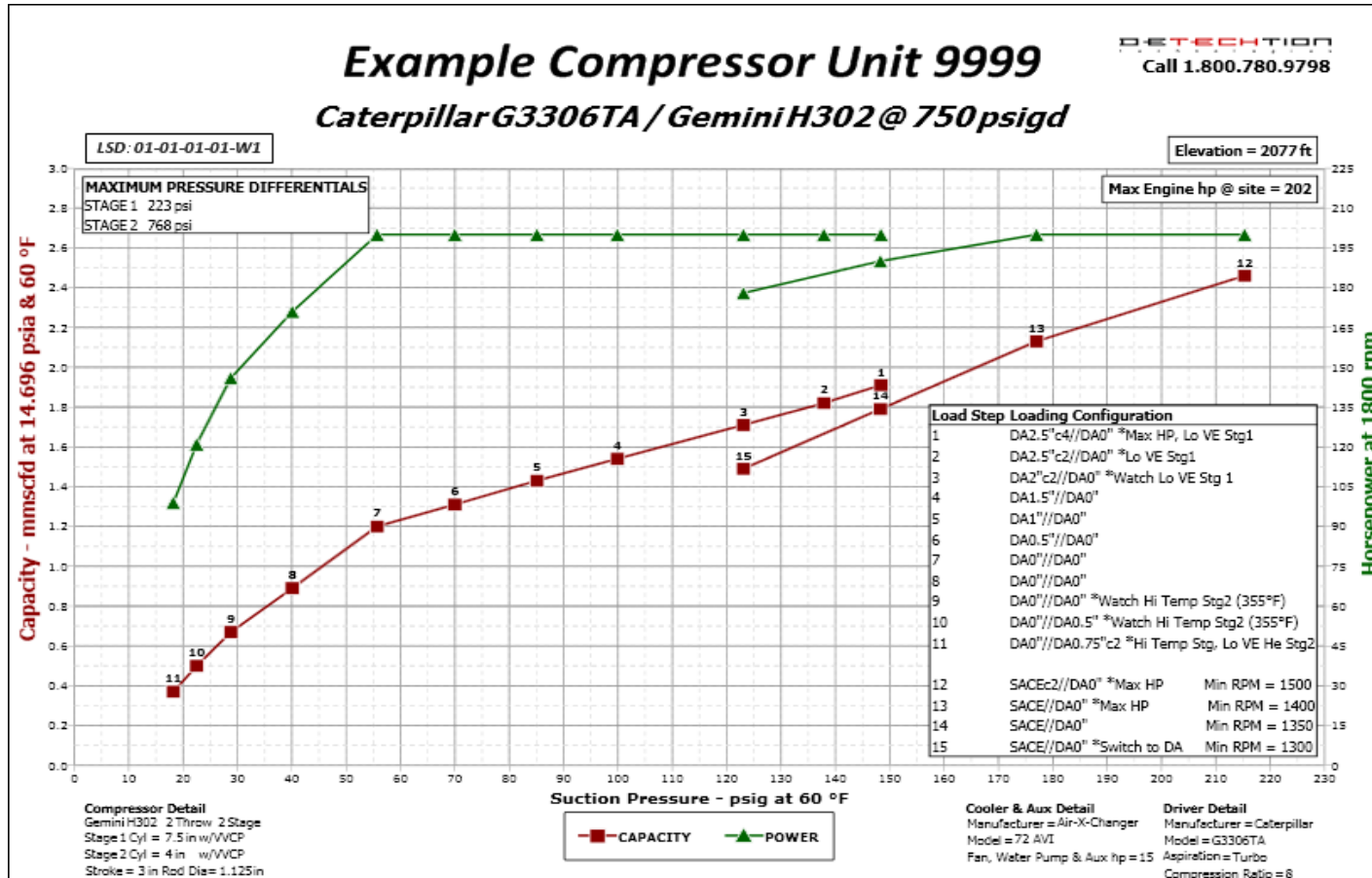
Detection Technologies

- ❖ Compressor optimization for your entire fleet
- ❖ Online compressor diagnostic tool: Enalysis
- ❖ Optimized loading curves
- ❖ Point & click maintenance monitoring program
- ❖ In-depth compressor training
- ❖ 24/7 Compression Engineering support



How We Add Value...

Optimized Graphical Loading Curves





How We Add Value...

Analysis Website

The screenshot displays the DETECTION ANALYSIS web application. At the top, there is a navigation bar with the company logo, a search bar for 'Compressor Search', and user options like 'Dan Poole', 'Dashboard', 'Map', 'Help', and 'Logout'. Below this is a secondary navigation menu with tabs for 'Analysis', 'Unit Setup', 'Files', 'Maintenance', 'Graphs', 'Reports', and 'Admin'. The main content area is split into three sections: a left sidebar with search filters (Type, Status, Area/Field, Foreman, Performance Flags, Latest Report, Rated Driver Power, Reported Flow, Total CFR, SCADA), a central map showing a network of roads with various colored markers (green, yellow, red) representing different units or locations, and a right-hand panel titled 'Search Results (171)' which lists detailed information for several units.

Search Results (171)

- 1004 - Beaton#3**
 North Peace River Area / Beaton
 Foreman: Chris Kamphius
 Latest Report :11/2/2012 10:00:00 AM
 Flow: 1,2562 mmscfd
 Incr.Prod.: 0.206 mmscfd
 Horsepower Utilized: 60.47%
 Total CFR(\$000): 0
[View Analysis](#) [Enter Field Data](#) [View Hardware Data](#)
- 1008 - Charlie 12-05**
 North Peace River Area / Charlie
 Foreman: Chris Kamphius
 Latest Report :11/1/2012 8:01:00 PM
 Flow: 1.1695 mmscfd
 Incr.Prod.: 0.173 mmscfd
 Horsepower Utilized: 56.11%
 Total CFR(\$000): 0
[View Analysis](#) [Enter Field Data](#) [View Hardware Data](#)
- 1026 - Verger**
 Provost Area / Cessford
 Foreman: Nelson Gramlich
 Latest Report :10/31/2012 10:00:00 AM
 Flow: 0.7714 mmscfd
 Incr.Prod.: 0.263 mmscfd
 Horsepower Utilized: 41.71%
 Total CFR(\$000): 0
[View Analysis](#) [Enter Field Data](#) [View Hardware Data](#)
- 1028 - Cessford 11-27 #1**
 Provost Area / Cessford
 Foreman: Nelson Gramlich
 Latest Report :10/29/2012 4:06:00 PM
 Flow: 0.7300 mmscfd
 Incr.Prod.: 0.487 mmscfd
 Horsepower Utilized: 49.94%
 Total CFR(\$000): 13

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Contact your Engineer

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Detection Clients

Over 90 Clients Worldwide with +6000 Compressors



11 Years



2 Years



7 Years



6 Years



2 Years



7 Years



10 Years



6 Years