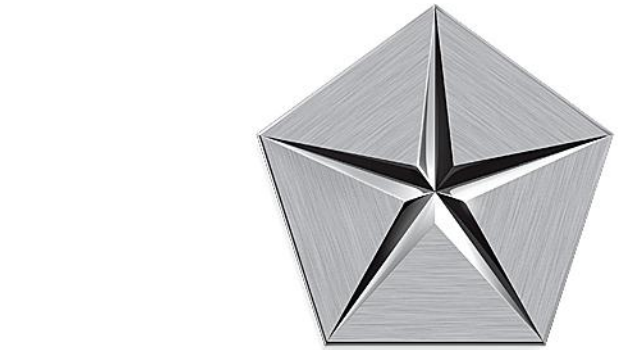

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# Performance Feedback System Dashboard

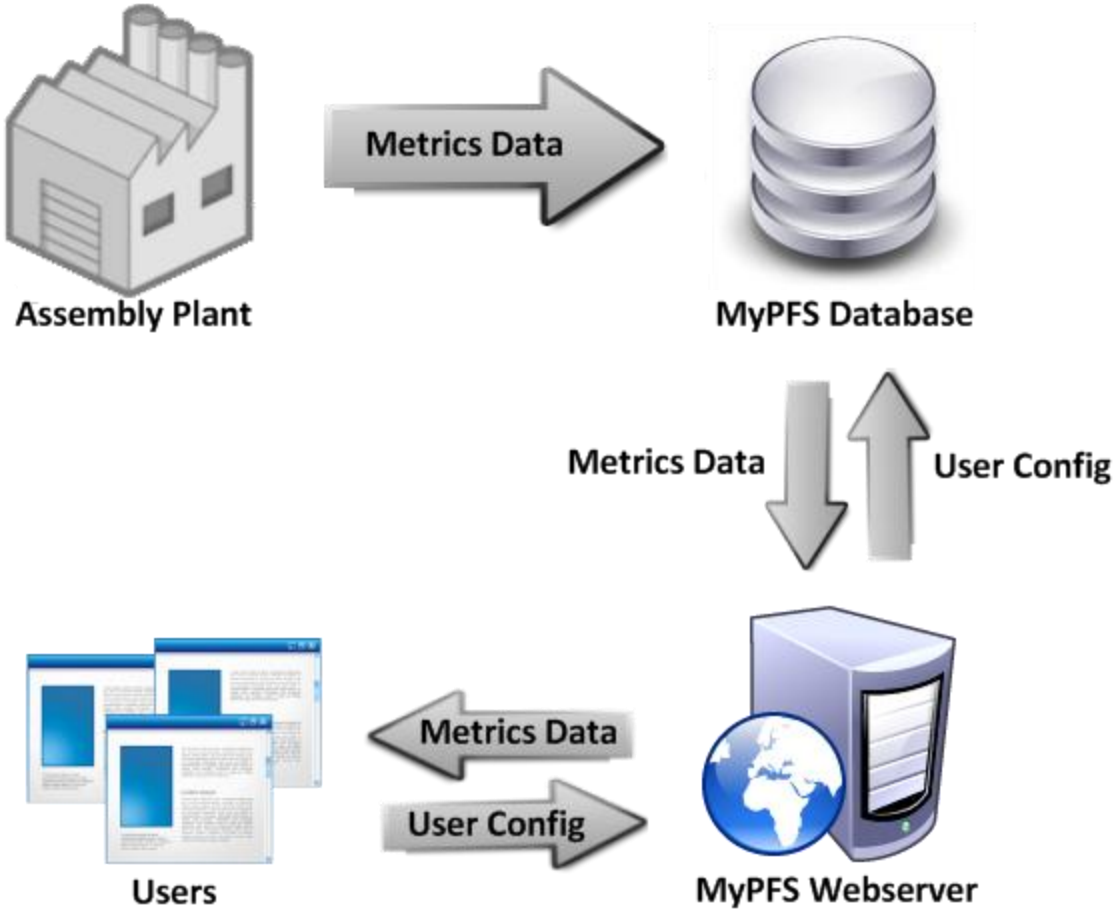
**Meshal Alsahli**
**Taylor Marshall**
**Julian Simioni**
**David Ackerman**

10/15/2008

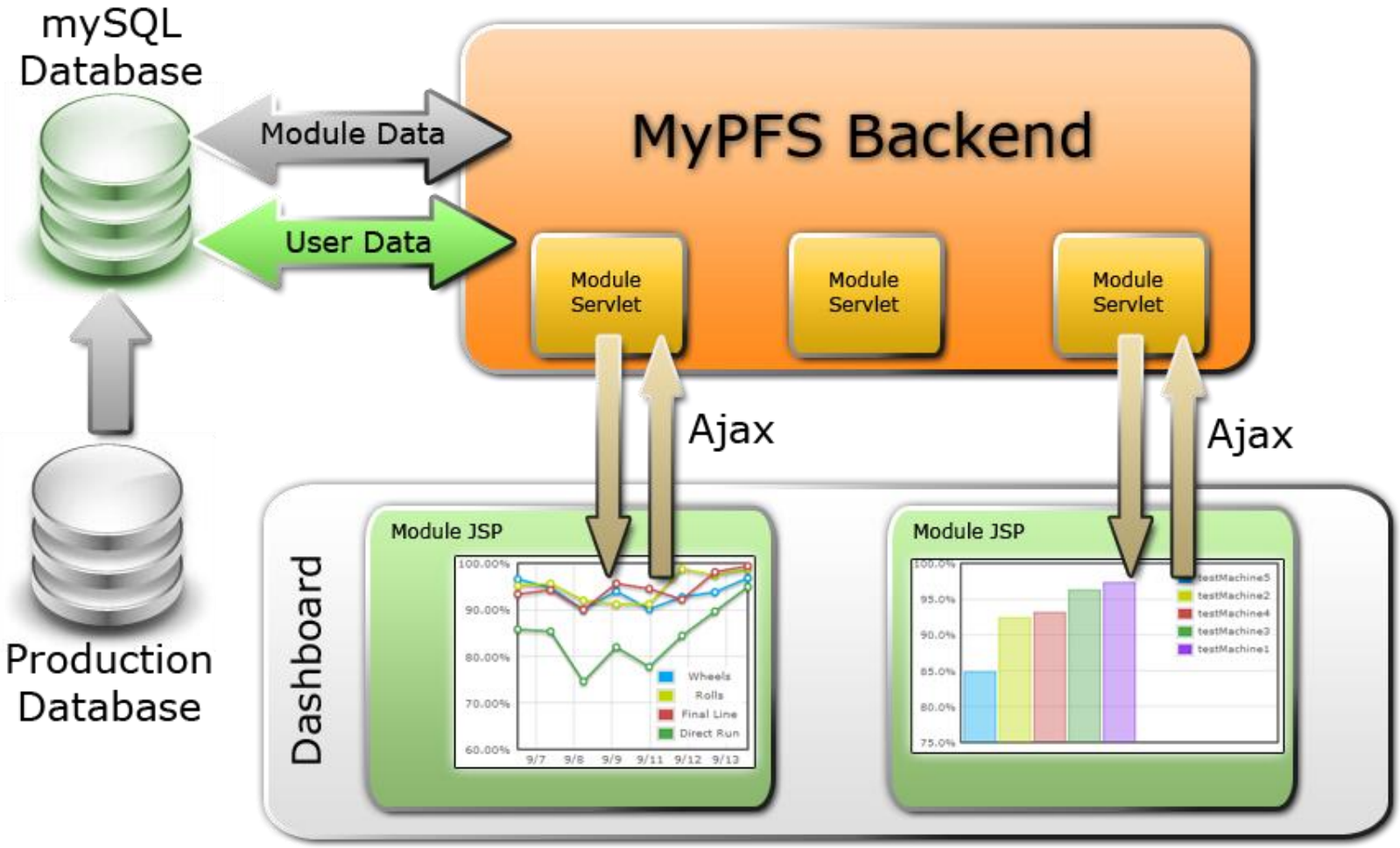
# Performance Feedback System

- **Current System**
  - Collects and analyzes vehicle quality metrics
  - Allows for manual report generation
- **Problems**
  - User must manually request each report
  - Discovering upcoming problems difficult
- **Solution – MyPFS Dashboard**
  - Provides feedback “at a glance”
  - Displays a relevant overview of data
  - User-customizable graphs, charts, and tables
  - Continuous updating with live data

# Architecture

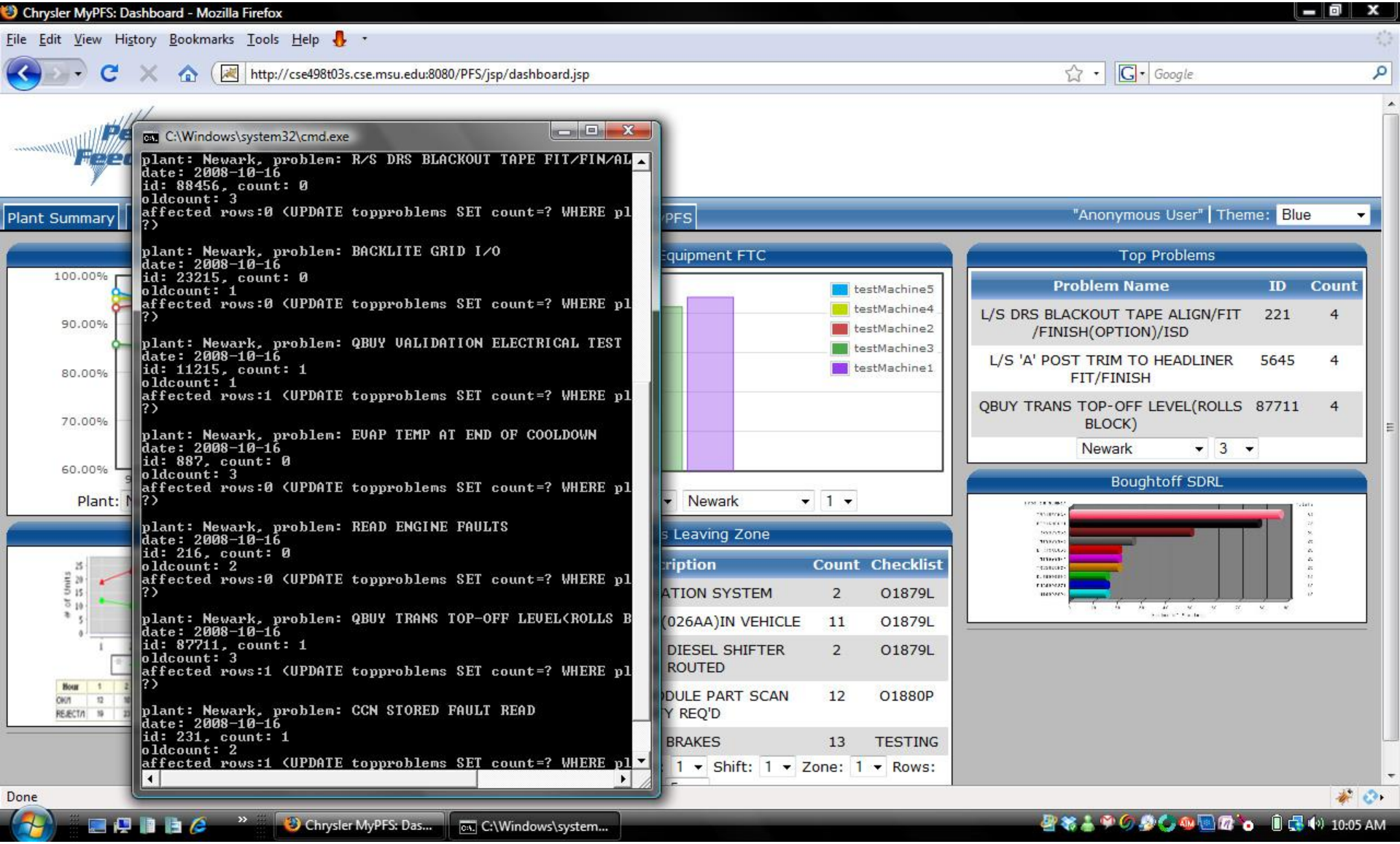


# Architecture



# Demo

*PFS Anonymous Dashboard*


Chrysler MyPFS: Dashboard - Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://cse498t03s.cse.msu.edu:8080/PFS/jsp/dashboard.jsp
C:\Windows\system32\cmd.exe
plant: Newark, problem: R/S DRS BLACKOUT TAPE FIT/FIN/AL
date: 2008-10-16
id: 88456, count: 0
oldcount: 3
affected rows:0 (UPDATE topproblems SET count=? WHERE pl
?)
plant: Newark, problem: BACKLITE GRID I/O
date: 2008-10-16
id: 23215, count: 0
oldcount: 1
affected rows:0 (UPDATE topproblems SET count=? WHERE pl
?)
plant: Newark, problem: QBUY VALIDATION ELECTRICAL TEST
date: 2008-10-16
id: 11215, count: 1
oldcount: 1
affected rows:1 (UPDATE topproblems SET count=? WHERE pl
?)
plant: Newark, problem: EVAP TEMP AT END OF COOLDOWN
date: 2008-10-16
id: 887, count: 0
oldcount: 3
affected rows:0 (UPDATE topproblems SET count=? WHERE pl
?)
plant: Newark, problem: READ ENGINE FAULTS
date: 2008-10-16
id: 216, count: 0
oldcount: 2
affected rows:0 (UPDATE topproblems SET count=? WHERE pl
?)
plant: Newark, problem: QBUY TRANS TOP-OFF LEVEL(ROLLS B
date: 2008-10-16
id: 87711, count: 1
oldcount: 3
affected rows:1 (UPDATE topproblems SET count=? WHERE pl
?)
plant: Newark, problem: CCN STORED FAULT READ
date: 2008-10-16
id: 231, count: 1
oldcount: 2
affected rows:1 (UPDATE topproblems SET count=? WHERE pl
Plant Summary
"Anonymous User" | Theme: Blue
Equipment FTC
testMachine5
testMachine4
testMachine2
testMachine3
testMachine1
Newark
Top Problems
Problem Name
ID
Count
L/S DRS BLACKOUT TAPE ALIGN/FIT /FINISH(OPTION)/ISD
221
4
L/S 'A' POST TRIM TO HEADLINER FIT/FINISH
5645
4
QBUY TRANS TOP-OFF LEVEL(ROLLS BLOCK)
87711
4
Newark
3
Boughtoff SDRL
Leaving Zone
Count
Checklist
ATION SYSTEM
2
O1879L
(026AA)IN VEHICLE
11
O1879L
DIESEL SHIFTER ROUTED
2
O1879L
DULE PART SCAN Y REQ'D
12
O1880P
BRAKES
13
TESTING
Shift:
Zone:
Rows:
Done
Chrysler MyPFS: Das...
C:\Windows\system...
10:05 AM

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Chrysler MyPFS: Dashboard - Mozilla Firefox

File Edit View History Bookmarks Tools Help

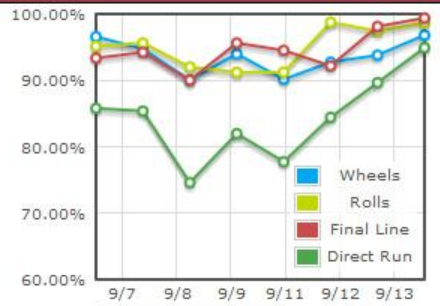
http://cse498t03s.cse.msu.edu:8080/PFS/jsp/dashboard.jsp

Performance Feedback System

Plant Summary | Group Leader | Team | Paint & Surface | Engineering | Communication | MyPFS

"Anonymous User" | Theme: Red

## Direct Run




Plant: Newark Shift: 1

## Worst Equipment FTC

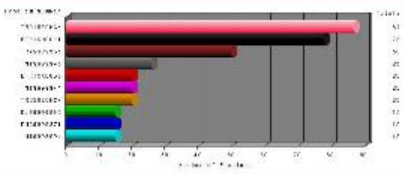
Worst 5 Day Newark 1

## Top Problems

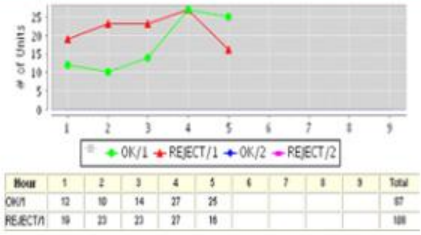
| Problem Name | ID | Count |
|---|---|---|
| L/S DRS BLACKOUT TAPE ALIGN/FIT /FINISH(OPTION)/ISD | 221 | 4 |
| L/S 'A' POST TRIM TO HEADLINER FIT/FINISH | 5645 | 4 |
| QBUY TRANS TOP-OFF LEVEL(ROLLS BLOCK) | 87711 | 4 |

Newark 3

## Boughtoff SDRL



## Final Line C/100




## Problems Leaving Zone

| Problem No. | Description | Count | Checklist |
|---|---|---|---|
| XCDD23WDE4 | QBUY NAVIGATION SYSTEM | 2 | O1879L |
| ELE9997781 | QBUY SRT4 AMP(026AA)IN VEHICLE | 11 | O1879L |
| EER4XX234Z | QBUY MANUAL DIESEL SHIFTER CABLE ROUTED | 2 | O1879L |
| ECDGPECSCN | QBUY GPEC MODULE PART SCAN VERIFY REQ'D | 12 | O1880P |
| DDR4XX234Z | QBUY BRAKES | 13 | TESTING |

Plant: Sterling Heights Dept: 1 Shift: 1 Zone: 1 Rows:

Done

Chrysler MyPFS: Das... Adobe Photoshop C... 10:06 AM

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# What's Next?

- **User profiles**
  - Module selection and location saved
  - Settings for modules saved
- **Additional modules**
  - 6 more modules scheduled for beta
- **Improve cross-browser compatibility**

# Questions?