What Works?

- Partnerships
- Eliminate Multi-Vendor Complexity
- Integrate Into Existing Processes

Troy Embree

Corporate Manufacturing Applied Information Technology Leader
P&G Background

- 138,000 people in 80 countries
- 147 plants in 42 countries
- US$83.5B sales in 140 countries
- 300 Brands
  - 23 Brands >Billion $US
- 3 Global Business Units
  - Beauty & Grooming
  - Health & Well Being
  - Household Care

3 billion times a day, P&G brands touch the lives of people around the world
Touching lives, improving life. P&G™
Defense in Depth Theory

- Security Policies
- Control Self Assessments
- Audits
- Firewall
- IPS
- Remote Monitoring
- Work Processes
- DR Plans
- Active Directory
- Group Policies
- Network Segmentation
- Device Monitoring
- Device Database
- Licensing
- Patch Management
- Anti-virus
- Anti-spyware
- Event Logs
- OS Configuration
- Backups
- White listing
- SNMP
Defense in Depth Reality

- Security Policies
- Control Self Assessments
- Audits
- Firewall
- IPS
- Remote Monitoring
- Work Processes
- DR Plans
- Active Directory
- Firewall
- Device Monitoring
- Device Database
- Licensing
- Group Policies
- Network Segmentation
- Application Monitoring
- Notifications
- OS Configuration
- Backups
- Patch Management
- Anti-virus
- Anti-spyware
- Event Logs
- White listing
- SNMPP

Touching lives, improving life. P&G™
What prevents theory from becoming reality?

• Cybersecurity is not a part of our core
• Cybersecurity is an afterthought
• Too many tools
  – Each independent of each other
• Control system vendor variation
• Competing priorities
• Lack of funding

Touching lives, improving life. P&G™
Partnerships

• Pet Health & Nutrition’s (PH&N) primary control system integrator is Interstates
  – Has IT expertise

• Partnership to manage cybersecurity
  – Delivered in all new initiatives
  – Manage ongoing
PH&N and Interstates Partnership

- Hardware/Software Standardization
- Patch Management
- Antivirus
- Active Directory
- Incident Support
- Audit Compliance
- Inventory Compliance
- Training
Eliminate Control System Vendor Variability

- Patch Management Issues
  - Many control system vendors in each plant
  - Different recommendations from each control system vendor
  - No patch management tool incorporates the control system application into their products
    - Knowledge that an application is running on a computer
    - Knowledge that an OS update has been approved via a vendor
    - Ability to use patch management tool for vendor application updates
Patch Management Solution

- Interstates configures and manages a commercially available patch management tool for P&G
  - Displays what control system applications are installed on a computer
  - Displays what OS updates have been approved by control system vendors
  - Can be used to deploy control system vendor application updates

- End user gets one common approach for all vendors
Integrate Cybersecurity Into Existing Processes

• Change management
• Initiative management
• Purchasing
• Physical security