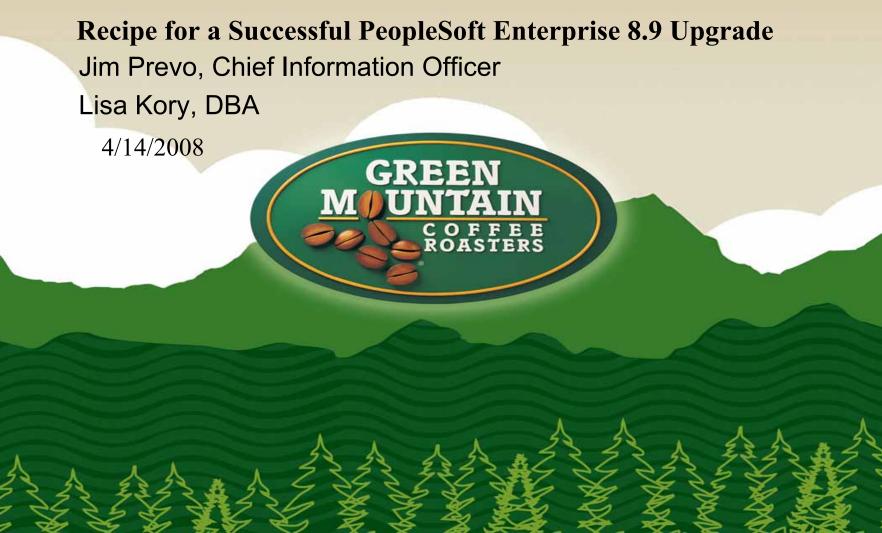




Coffee, Junk Food, and Good Humor:





Topics to be covered

- Company Profile
- PeopleSoft Footprint
- Motivation for the Upgrade
- Goals & Strategy
- Project Plan
- Fit-Gap Scoping
- Making It Happen
- Additional Work Done
- Results
- What We Did Right
- What We'll Do Differently Next Time





Company Profile

- Public Company (NASDAQ: GMCR)
- Specialty Coffee
 - Green Mountain Coffee Roasters
 - Single Origin, Blends, Flavors
 - Fair Trade & Organic
 - Newman's Own Organics
- Keurig Premium Single Cup Brewing Technology



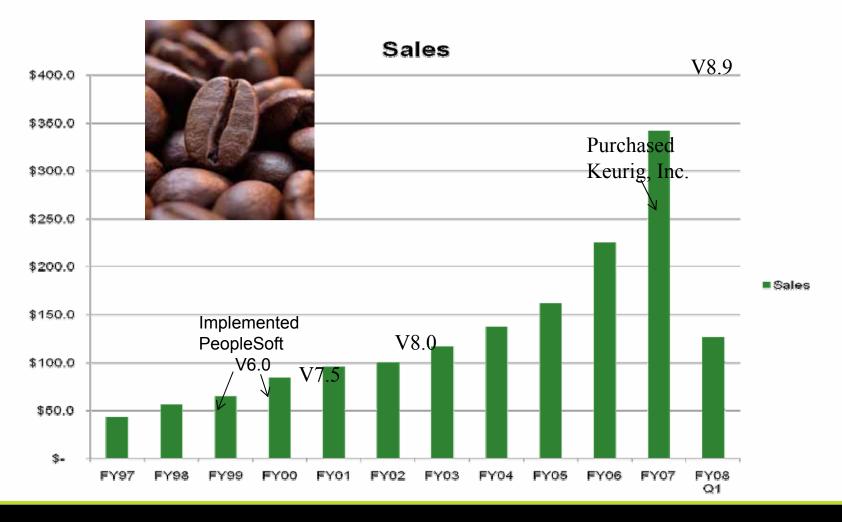
ABORATE08







Sales History





Facilities

- Corporate Campus Waterbury, VT
- 2nd Plant Essex, VT
- Regional Operations Centers
 - Maine, New York, Massachusetts, Connecticut
- Keurig Offices Wakefield, Mass.







PeopleSoft Footprint

- FSCM V8.9, Tools 8.48
 - Oracle 10gR2 64 bit
 - Procure to pay
 - Order to cash
 - Plan to produce
 - 450+ users
- CRM V8.9
 - SQL Server 2000
 - On-line Marketing
 - Lead management
 - IT Help Desk
 - Campaign Management
 - OCSS for B2B
 - 110+ direct users

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Richmond, VT 05477-9782 USA	802/244-5621 BUSN 802/882-2191 HOME	Richmond, VT 05477-9782 USA
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GMCR Order Entry Order Entry Form

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COLLABORATE08





- EPM V8.8 SP2
 - SQL Server 2000
 - Data warehouse with 3rd party tools
 - Cognos Power Play V7.3 and
 Microsoft SQL Server 2005 Reporting Services
 - 5 direct users, 150+ users of the reporting tools
- HCM V8.8, Tools 8.44 (upgrading to 9.0, 8.48)
 - Oracle 8i (upgrading to 10g)
 - HR, Stock Administration
 - 4 users

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PeopleSoft Footprint

• FSCM database (before)



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- HP DL585 G1 Opteron 885 dual-core/2.6 GHz
- 4-CPU
- 175 drives @ 15K rpm RAID 0+1
- 20 SCSI-320 channels
- Oracle 8i, 435 GB database
- FSCM database (after upgrade)
 - Same hardware
 - Oracle 10g, 450 GB database
 - Windows 2003 Server 64 bit







PeopleSoft Footprint

- FSCM Transaction Load
 - Orders/Shipments/Invoices
 - 90 TL/LTL per day (140,000 pieces)
 - 3,750 parcel service orders per day (30,000 pieces)
 - 500 DSD orders per day (25,000 pieces)
 - Production Schedules/Completions
 - 1300 Schedules per week
 - POs
 - 400 per week







Our Motivation for Upgrading FSCM

- V8.1 was less robust than future versions
 - Some performance problems
 - Recurring errors requiring clean-up routines
 - Many workarounds
- V8.1 was no longer supported
- V8.9 Looked Good
 - New table structure in fulfillment
 - New functionality throughout

- Many fixes and performance improvements
- A path to Fusion if we decide to go there someday
- GMCR Growth Explosion
 - Needed to get on solid ground to support rapid growth



Upgrade Goals & Strategy

- Goals
 - Upgrade to V8.9 on Oracle 10g (was 8i)
 - Same or better functionality and performance
 - "Go-Live" Before Fall 2007
 - Improve our process for performing Upgrades
 - More Formal
 - More tools and automation
 - A solid platform on which to build
 - Project completion on time and budget
 - Stay SOX Compliant
 - Have fun













Upgrade Goals & Strategy

- Strategy
 - Upgrade not re-Implement
 - Hire help to "Make It Happen" (quickly)
 - Focus on getting from V8.1 to V8.9
 - No major new features and functions during the upgrade
 - Budget through fit/gap, then approve final phases
 - Due to original sticker shock
 - Upgrade Lab







GMCR Project Team

- Project Managers (2)
- IST Development
 - Development Manager
 - Developer/Analysts (4)
 - Integration Developers (2)
 - DBA
- IST Infrastructure
 - Many hours from desktop/server/network teams
- IST Security Administrator





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Project Team

- Consulting Partners (cycled in and out)
 - Technical Manager
 - Functional Developers (5)
 - Technical Developers (7)
 - Tech/DBAs (2) [performed the actual upgrade]
 - Integration Developers (2)





Project Team

- Functional Experts
 - Purchasing
 - Pricing
 - Manufacturing
 - Inventory (2)
 - Distribution
 - Order Management
 - Service
 - Finance (2)
 - Planning







Hardware Environments

- 3 Oracle 10g database servers
 - DL 585 or similar
 - [Demo, Dev, Test, Query] [UA, Train] [Stage, Load Test]
- Separate FWAB servers for each environment.
- Load Testing on hardware that would become production.
 - 4 HP Blades with web and app server collocated.
 - Separate Blades for Supply Planning and Integration.





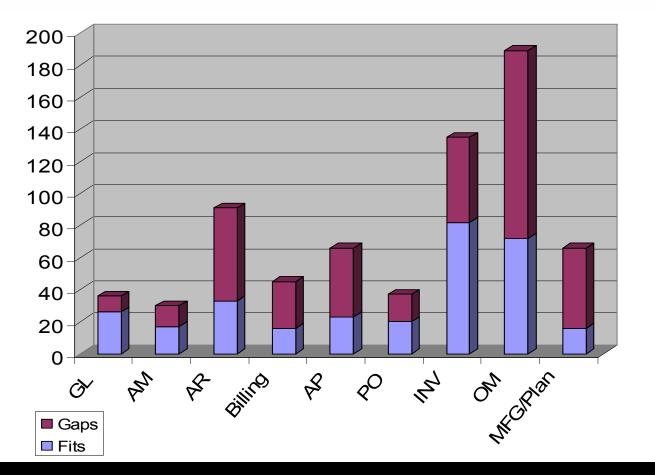
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Fit/Gap Scoping







Fit/Gap Scoping

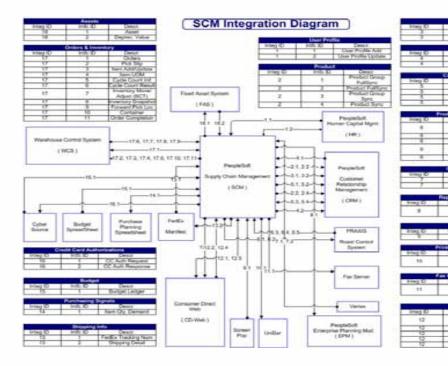
Module	Hours
Billing	550
GL	64
AM	124
AP	330
AR	380
IN	828
ОМ	817
РО	522
MFG/Planning	262
Sub-Total	3877

<u>Tech Team</u>	
Lead	960
Integration	1113
Robots	908
Planning	
Consulting	240
Sub-Total	3221





Fit/Gap Scoping - Integrations ~50 Integrations



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Additional Work Done

- Hardware Environments
 - Duplicate database platform
 - HP Blade PIA
 - Added a CISCO hardware load balancer
- SharePoint Portal
 - Document Repository
 - Issue Tracking
 - Change Management Process
- Replaced SQA Robot with Quick Test Pro
- Implemented HP (Mercury) Load Runner
- Archived OM/BI data



COLLABORATE08

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Just to make life interesting

- New Office Building for IST
 - New data center with new (to us) cooling technology
- New Hires
 - Grew our team by 43%
 - And replaced one defector!
- New CEO
- New Plant
- New Consulting Partner
 - Needed to change after fit-gap
 - PS Go-Live saved the day





Results

- Go-Live on August 20th
- Actual spend was 10% over final budget
- Upgrade "event" took 1 hour longer than plan
- Most business processes worked well
- Fulfillment failed initially
 - Actually had stops and starts for seven days.
 - Lost three or four days of shipping time due to problems
 - Business was fragile due to unprecedented demand exceeding capacity in a few areas
 - Business was in pain from this for four to six weeks.
- General stabilization phase took about four weeks.



COLLABORAT





Results

- Period end, Quarter end and Year end processes
 - Proceeded without significant events and on time
- Upgrade process was "blessed" by SOX Auditors
- Upgrade process was definitely improved
- Had Fun!
- Our overall assessment is qualified "Success"
- The pain is behind us and we are well positioned for the future.



Results

- Some nice comments on improvements...
 - 8/24: We just extracted 5,117 invoices in under
 2.5 minutes!
 - That's Huge!
 - 9/4: 12,000+ orders that got pushed through the [billing] system Friday night. ...
 The 8.9 version isn't even customized. This is a major improvement from 8.0.





Special Thanks

- Many thanks to the Oracle/PeopleSoft Enterprise Team
 - Char Jorgenson
 - Frank D'Ambrose (interrupted his vacation to help us!)
 - Jane Scott
 - Mike Lizio (flew to GMCR from Atlanta to help)
 - Paul Chamberlin
 - Rob Williams
 - Vittikuti Rambabu (Ram)
 - Everyone who helped out from the GSC
- For many long days, scores of teleconferences, analysis, coding, coaching, POCs, etc.





- Dedicated project space
 - SMEs, Developers, Consultants all together
- Dedicated project resources
- Meetings, meetings, meetings
 - Tech Team
 - Full Team (about 30 people)
 - MTP Team (move to production)
 - Integration Team



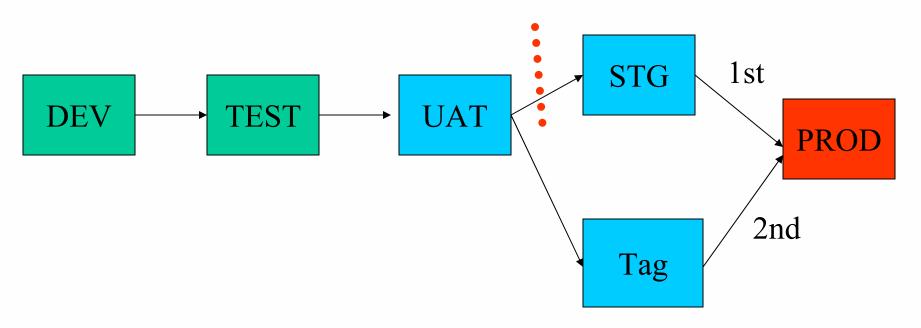
- Regular weekly status updates with action plans
- Great Coffee!



- Dynamically monitored the deliverables and made changes to keep on track
- Rejected consultants who were not a good fit
- Kept some consultants during stabilization
- Sent regular communications to company on progress and plans
- Executed five test moves to production to refine the process.
- Great coffee!







•Froze staging database 1 month prior to go-live

- •Changes within the last month moved to separate, "Tagalong" database.
 - Allowed for freezing upgrade process
 - Could do repeatable upgrade passes





- Laptops & "Getting Started" manual for Consultants and employees
- Great Coffee!
- Calorie Cube, including Advil
- Divide and conquer



- While tech work was cranking, we developed a full team Chapter 1 through 5 plan
- Have enough platforms so everyone can work without stepping all over each other
- Dedicated trainer
 - We had 450 people to train. Four to five hours each

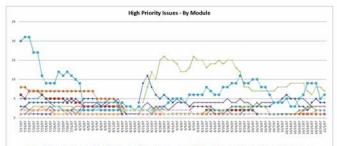




• Duplicate hardware platform



- Allowed us to upgrade on the second platform and keep our V8.1 platform up "just in case"
- Allowed us to do performance and load testing on the exact platform we would be using after go-live
- SharePoint Platform
 - Document Repository
 - Issue tracking



Change Management Process for SOX (and sanity)



What We'll Do Differently Next Time

- More hardware platforms set up in advance
 - We scurried a few times to keep from slipping
 - Remember that more platforms require more management
- Get facilities set up in advance of the project start
- Run several full days of transactions through the system to really stress it like real life will stress it
- Pick our partner very carefully
- Believe our first instincts on project cost
 - Get approval up-front...no uncertainty in the middle.
- Go-Live in late spring.
 - Summer vacations and fall busy season were painful



Questions?

- Email
 - lisa.kory@gmcr.com
 - jim.prevo@gmcr.com
- Web Sites



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- www.greenmountaincoffeeroasters.com
- www.keurig.com
- www.waterburystation.com
- www.greenmountaincoffeefoundation.org





