Using Newest Generation Laboratory Automation to Reduce Operational Costs by as Much as 20%



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Ingalls Health System

System Facts

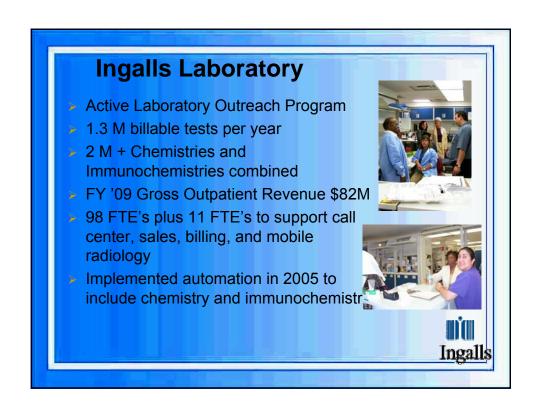
- 37-acre main campus, 30 minutes south of downtown
- DNV Accredited Licensed for 563 beds
- 4 Ambulatory Family Care Centers: Matteson, Tinley Park, Calumet City and Flossmoor – Include physician offices, state of the art outpatient diagnostics, Same Day Surgery at Tinley
- Outpatient Rehabilitation, Calumet City; Ingalls Wellness Center, Homewood
- Urgent Aid Centers in Flossmoor, Tinley Park and Calumet City for 24/7 minor emergencies
 - Medical Staff of more than 450 physicians across 30 different medical and surgical specialties Ingalls

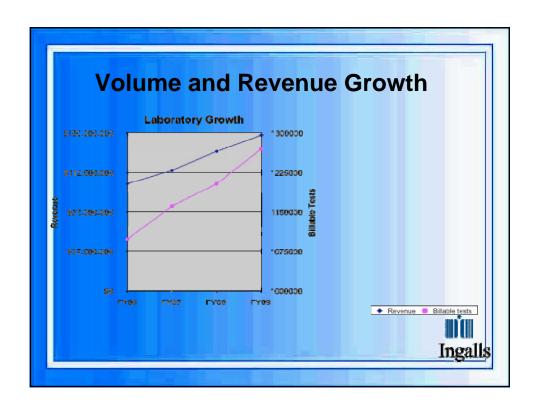


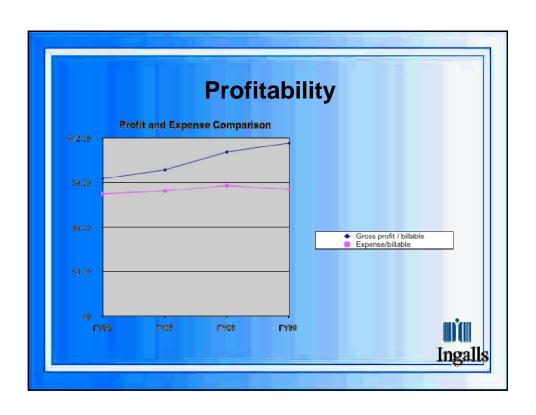
Ingalls Health System Recognition

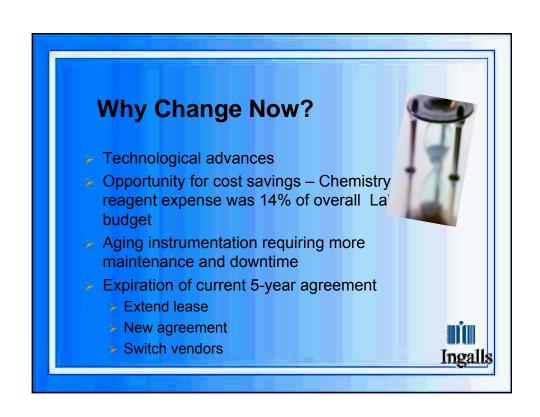
- U.S. News nation's best hospitals list seven years in a row for Neurosciences
- Forbes: America's Safest Hospitals recognition
- Ingalls Earns Perfect Score in Breast Cancer Accreditation Process
- Blue Cross/Blue Shield Recognizes Ingalls for Exceptional Spine, Knee, and Hip Surgeries
- Ingalls Center for Rehabilitative Medicine
 Awarded 7th Consecutive Three Year CARF
 Accreditation
- Designated Primary Stroke Center since July 2008

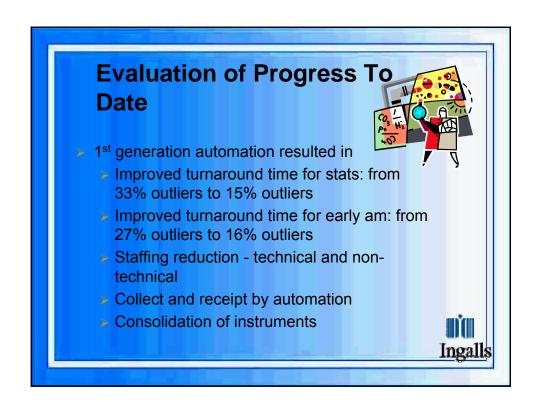


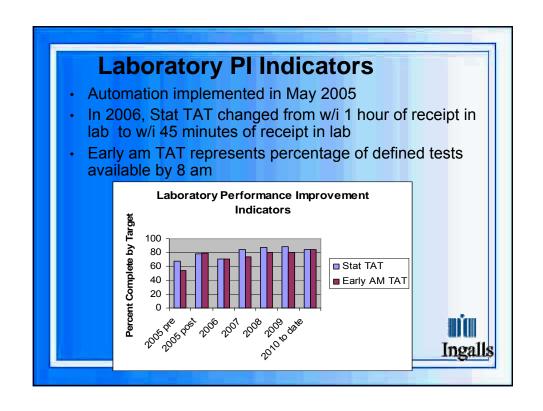












Existing Instrument Performance and Reliability

- Minimal downtime assurance that service records agree
- High throughput to meet peak periods
- User friendly everyone's a super-user
- Reliable service staff for preventive maintenance and as needed
- Modular system can run independently as instruments go off-line



Primary Desired Improvements

- Additional centrifuge
- Additional instruments connected to the automation line
- Ability to connect coagulation
- Faster and greater throughput
- Decreased testing time for cardiac markers
- Broader menu
- Auto calibration and controls
- Consolidation opportunities





Selection Process for Decision

- Form selection team
- Define rules for process
- Determine criteria for selection
- Develop scoring grid
- Target date to complete selection process determined
- Invite prospective vendors communicate plan
- Final 2 vendors to be negotiated with by management



Staff Determined Criteria

- Minimal/ease of maintenance
- Adequate menu/ open system
- No reagent prep
- Load/unload reagent at will
- Small sample volume
- Infrequent and easy calibration
- Handles multiple tube sizes

- Ease of troubleshooting
- Auto repeat and dilutions
- Minimal downtime for PM's
- In-house training
- Onboard sample integrity checking
- Plasma required for most tests
- Add on tests while running



Management Criteria Achieve annual cost savings in exc

- Achieve annual cost savings in excess of 10% across system
- Potential to connect coagulation to automation line
- Solution must include Family Care Center labs as well as core lab
- No hidden ongoing costs associated with decision
- Vendor must meet our timeline for change
- Must provide seasoned implementation team



Work Flow Consultations by Vendors

- Each participating vendor studies workflow and prepares report as part of engagement
- Useful information to identify opportunity to improve at multiple points
- Data sharing
- How to evaluate the reports
- Good source of "free" consulting
- Helps identify and communicate the problems and solutions



Working the Selection Process

- Team meets regularly at decision points
- Demos, reference calls, site visits take place
- Scoring is objective, weighted
- All parties get regular communication on status of progress
 - Vendor
 - Administration
 - Pathologists
 - Purchasing
 - Front-line staff





Narrowing the Choices

- Need to have two finalists for negotiating power
- Verify the facts in hand
- Communicate decision quickly and effectively
- Honesty with all parties is important
- Keep decision objective and quickly move forward with selection process





Presentations and Proposals

- Include all necessary parties at final presentations
- Administration is not always required
- Compile list of questions be sure all get answered to your satisfaction
- Keep your eye on THE GOAL
- Rework the math, scrutinize the details
- Don't let flash substitute substance
- Send the vendors back to work



Evaluating Financial Options

- Capital purchase, capital lease, rent to own, reagent rental, direct or bundled leases
- Look for hidden costs
- Evaluate different configurations or instrument and automation component options
- Can costs be reduced by keeping or adjusting any current instruments
- Work with Purchasing Department and GPO to determine if there are additional available (Premier Ascend)
- Length of contract



Negotiations

- Give deadline for final offer
- Do homework to validate information
- Place value on integrity
- Include service agreements in cost analysis
- Identify system-wide volume to be included in proposal
- Interface and IT requirements- contractual allowances
- Technology upgrades included
- Implementation team requirements



Effective Cross-Function Decision Making

- Finance, Purchasing, Administration, Laboratory, Plant Operations, Legal
- Contract review
- Is long-term goal being met?
- Any missed opportunities?
- Create list





More Negotiations

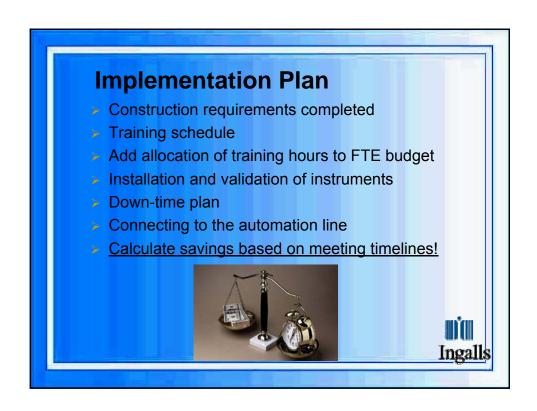
- Give each vendor their last opportunity to speak
- Determine if items such as freight, service, water expenses have all been covered or not
- Identify any last minute changes to the proposal, get contract revisions
- Decision made regarding who should be involved in final conversations (i.e. CFO, VP)

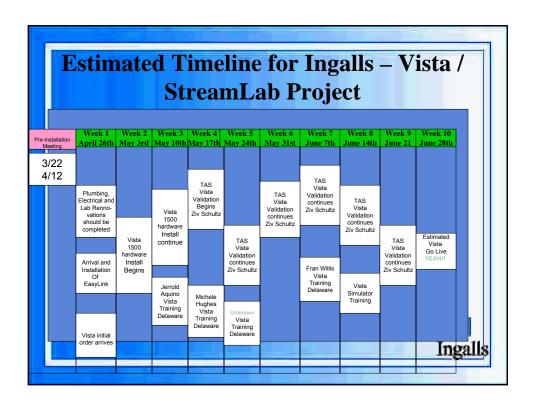


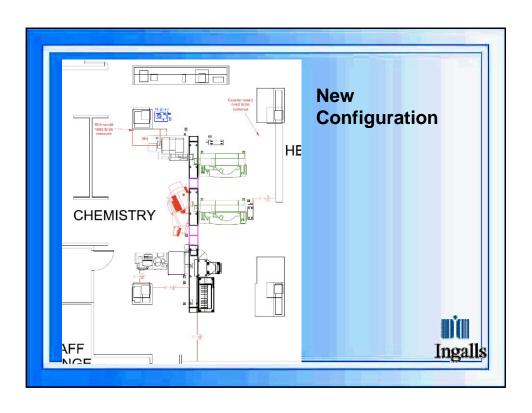
Communicating the Decision

- To Staff give them credit
- Outside Lab when applicable (depending on how widespread change will be)
- To the FINAL TWO
 - Face to face if at all possible
 - >Remain honest
 - Share facts that will help either in their business
 - Keep relationship door open to the future
 - Never bad-mouth the competition
 - >Thank-you











Next Steps

- Monitor cost savings in line with go-live of each phase of implementation
- Family Care Centers
- Coagulation selection team forms final decision on instrument (on or off automated line?)
- Measure, communicate, and celebrate successes
- Watch for opportunities for additional in-house testing as menu of approved tests expands
- Allergy Testing



Summary

- Start the process with understanding of reasons for change and clearly define goals that MUST be met
- Involve staff in the process, keeping it as objective as possible
- Consider your organization and your laboratory's individual characteristics in creating criteria the selection must meet
- Use the workflow reports provided by the vendors
- Involve all necessary parties during the negotiation process, particularly related to financials
- Have a structured implementation
- Know what your success measures will be and follow them closely



