



Consulting services for preventing injuries in the workplace. Innovative “industrial ergonomics” solutions.

Training

A pleasingly different approach to ergonomics training.

The training service will provide trainees the knowledge, skills, and tools necessary to develop effective solutions to ergonomic-related problems in the workplace. Ergonomics for Industry Training consists of practical approaches that have proven successful across a wide variety of industries. The Training service will enable your organization to...

- become self-sufficient at resolving ergonomic-related problems
- efficiently establish priorities, evaluate problems, and then develop & implement effective solutions
- document projects & measure results

Accessible content

Training content designed to be “accessible”, or appropriate for all users. Saturn Ergonomics does not offer one level of training for engineers, another for supervisors, and yet another for your Ergonomics Team. We strive to make the application of ergonomics easy, not complicated.

Condensed training duration

Efficient training/learning model built around core concepts and mission-critical material. Standard course duration is 7 hours, consisting of 4 hours classroom activities and a 3-hour hands-on team project.

User-friendly apps & tools

Trainees get hands-on experience using the ergonomics apps & tools during the training, and your organization has access to these technologies after the training. Through Saturn's *ergo Universe*[™], trainees can access these apps & tools for a complementary period (1 year) with no subscription fees!

Practical examples

Many concepts are taught through practical examples taken from home & everyday life. Content retention improves when people can relate training concepts to things they are already familiar with.

Feel/experience ergonomics

Many adults learn more through feel/experience than from hearing and/or seeing the concepts. Training modules include props & activities where trainees have the opportunity to (physically) feel/experience ergonomics.

Learn by doing

Much classroom training time involves hands-on activities, team case studies, etc. People learn best by “doing”; applying, interacting, & participating

Customized content	Post-training support
<p>Training is more effective when content is customized for your organization. Prior to the training, the trainer/consultant conducts a 3-4 hour pre-training visit to:</p> <ul style="list-style-type: none">• Tour operations, meet you & your team, and observe jobs/tasks• Collect digital photo's, video, and examples from your operations <p>This pre-training visit normally occurs the day before the training.</p>	<p>Following the training, your organization will have access to the trainer/consultant for offsite support & assistance for a period of 90 days. This support is quite flexible and may include:</p> <ul style="list-style-type: none">• Solution development assistance• Web-based conferencing & telephone-based remote support• One-on-one remote mentoring/assistance

Problem Solving

Practical ergonomics problem solving.

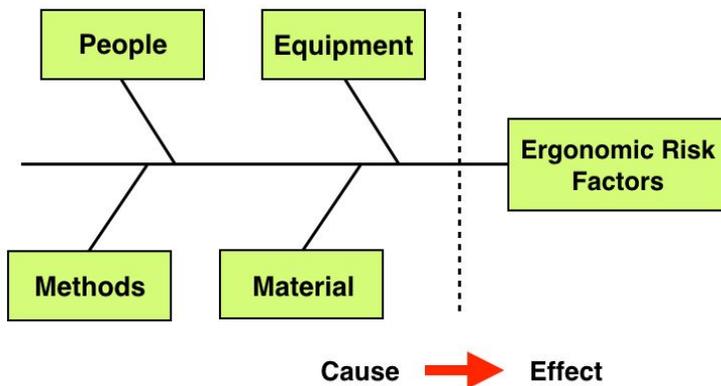
Problem Solving is the appropriate service when you need immediate help developing solutions for jobs (or tasks) where there have been work-related injuries or employee complaints of discomfort. The consultant evaluates the jobs onsite, then presents findings & recommendations in a written report or web-based presentation. The problem solving service provides:

- customized solutions enabling your organization to immediately begin making improvements

- help solving difficult-to-tackle problems that may have brought your ergonomics improvement efforts to a halt

Appropriate level of technical analysis

Cause & Effect Diagram



Saturn Ergonomics conducts the appropriate level of technical analysis for each project, electing not to use a one-size-fits-all approach. We typically analyze the problem to the point necessary to understand the problem's fundamental root causes, and then develop effective solutions & collaborate with your staff to optimize those solutions.

Multiple solution alternatives

It's important to provide a range (mix) of solution alternatives. Solution recommendations typically range from quick fixes (low-cost/high-value solutions that can be implemented in 2-4 weeks) to more complex solutions involving engineering redesign and/or process changes (typically implemented in 3 months - 1 year). Engineering redesign or process change solutions may provide the greatest long-term benefits, but it is important to have rapid solution alternatives to make an immediate impact.

Solution Categories

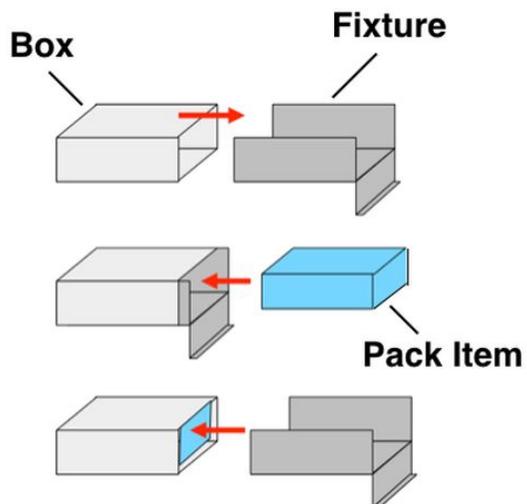
Rapid	Intermediate	Longterm
<ul style="list-style-type: none"> • < \$1,000 solution cost • Simple in-house fabrication and/or modifications • Basic off-the-shelf equipment purchases 	<ul style="list-style-type: none"> • \$1-5k solution cost • Moderate in-house design and/or fabrication • Semi-custom equipment purchases 	<ul style="list-style-type: none"> • > \$5k solution cost • Require engineering and/or process changes • May require formal cost-benefit analysis
(2-4 weeks)	(1-3 months)	(3 mo. - 1 year)

Cost-benefit analysis

When appropriate, a cost-benefit analysis is provided to assist the client in evaluating solution alternatives. This type of analysis provides a clearer perspective of the various solution alternatives, maximizing the benefit per solution dollar spent.



Packing Fixture



Solution concept drawings

Recommendations often include solution “concept drawings” where necessary to communicate solution ideas. These drawings are helpful for solution recommendations that may be difficult to visualize in a traditional written report.



Written report or web presentation

Findings & solution recommendations are typically delivered to the client in a written report completed within 2-3 weeks of the onsite visit. But project results can be delivered in a web based presentation to your team.

Risk Assessment

Innovative approaches to ergonomics risk assessment.

The Risk Assessment service helps your organization effectively identify and prioritize ergonomic-related concerns. This is one of the first steps in any ergonomics improvement initiative - determining where to begin making improvements. The Risk Assessment service enables your organization to

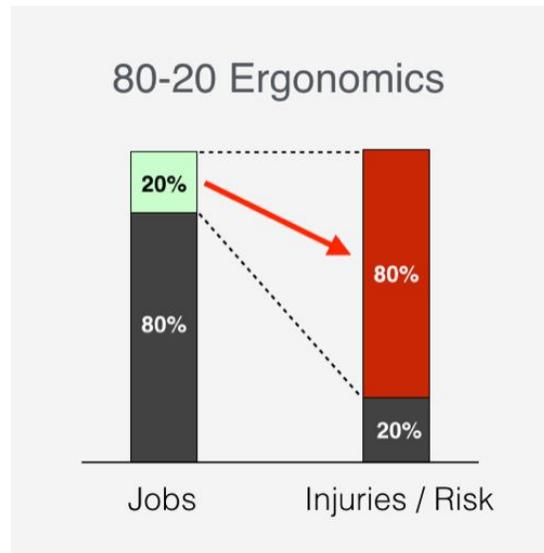
- rapidly identify & prioritize ergonomic-related concerns
- establish baseline metrics used to measure success
- determine where to concentrate resources for maximum benefit

Don't be intimidated by ergonomics risk assessment

It can be intimidating to look at a large operation and try to decide which jobs (or tasks) should be the highest priority. Saturn Ergonomics simplifies the process with our Rapid Prioritization Model™. This practical approach to ergonomics risk assessment utilizes a powerful concept called 80-20 Ergonomics™.

Focus on what matters

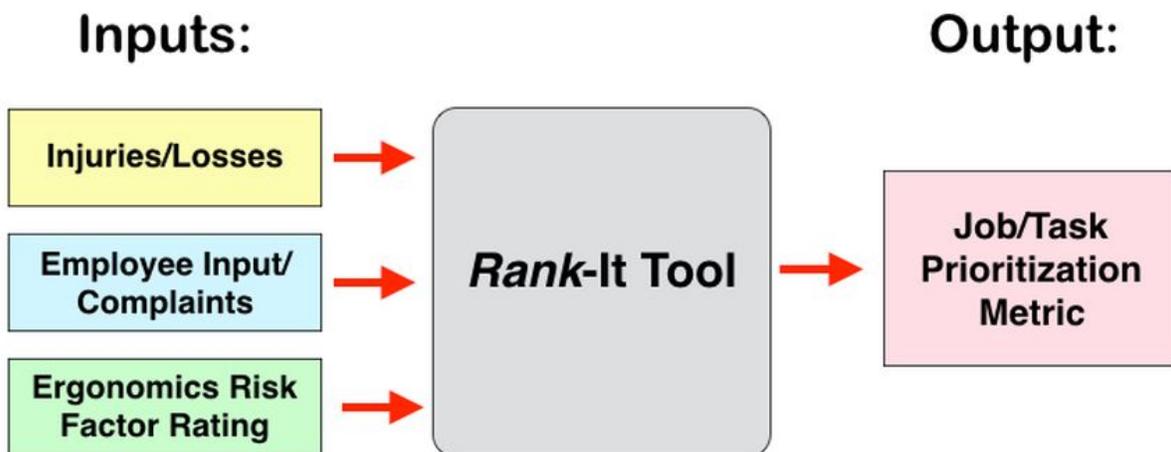
A small percentage of all jobs (or tasks) typically results in a high percentage of ergonomic-related injuries and risk. We call this concept *80-20 Ergonomics*[™]. The key to rapid, dramatic injury-reduction is to effectively tackle high impact improvement opportunities



Rapid Prioritization Model[™]

Saturn Ergonomics simplifies ergonomics risk assessment by utilizing a proven approach incorporating 3 readily obtainable inputs - Injuries/Losses, Employee Input/Complaints, and Ergo Risk Factor Rating. The *Rapid Prioritization Model*[™] allows your ergonomics initiative to quickly & effectively identify the improvement opportunities that matter.

Rapid Prioritization Model



What used to take weeks or months to accomplish using comprehensive risk assessment approaches can be completed in only hours using the *Rapid Prioritization Model*[™].

Process Development

Results-oriented approach to ergonomics.

The Saturn Ergonomics Process Development service can assist your organization with the design and implementation of an effective ergonomics process. The Process Development service enables your organization to:

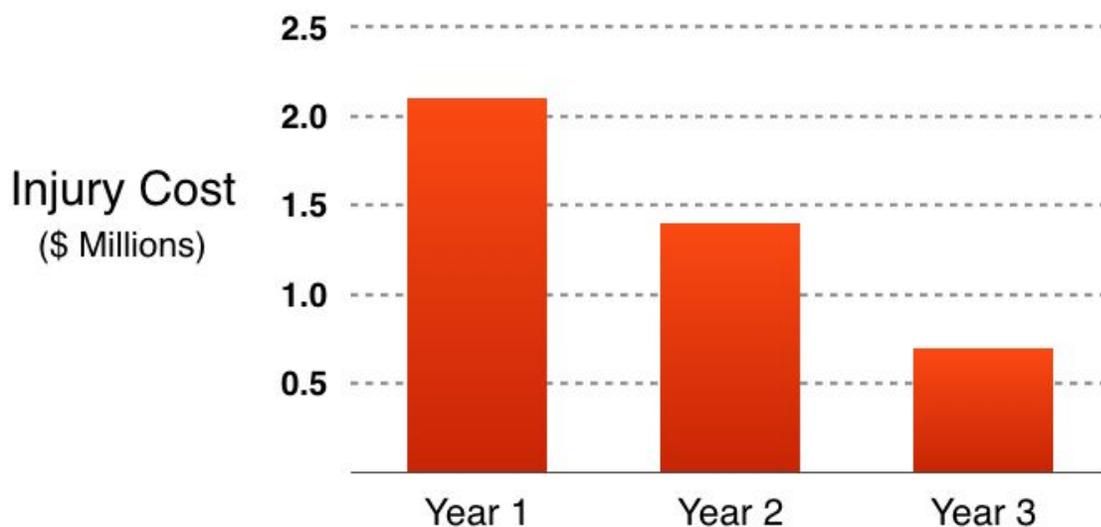
- reduce work-related injuries
- reduce workers compensation costs
- lower absenteeism & turnover rates

Proven track record

Saturn Ergonomics utilizes a proven approach for reducing ergonomic-related injuries in the workplace. This approach is not complicated (a good thing) and has been successfully implemented in a wide variety of industries. Murray Gibson, Founder & Consulting Leader of Saturn Ergonomics Consulting began his career implementing plant-level & corporate-level ergonomics processes, and has refined this approach over the last 2 decades.

Division of Fortune 500 Company

(multiple manufacturing locations)



Process customization

The Saturn Ergonomics approach to ergonomics processes is not a one-size-fits-all solution. Some organizations are successful with a formal ergonomics team approach, while others are successful implementing ergonomics through a strong engineering group. Every organization is different. Our process has many standard components & features, but the overall design of the process is customized to meet your organization's needs.

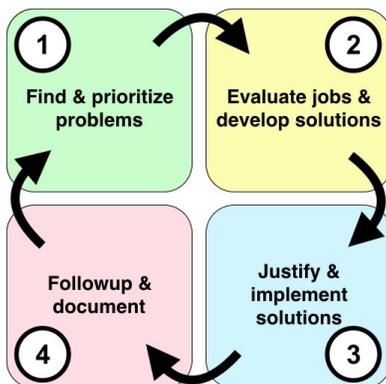
Technology behind the process

Saturn Ergonomics Consulting's *ergo Apps*™ provide technology necessary to keep your ergonomics process organized and focused. These practical apps & tools provide user-friendly ergonomics process infrastructure.

Results-oriented approach

Saturn Ergonomics uses a results-oriented approach, 80-20 Ergonomics™. With this approach project resources are rapidly directed toward the subset of jobs (or tasks) resulting in the majority of injuries & associated injury risks. This vital concept is often overlooked in today's climate of cultural-change ergonomics initiatives & wall-to-wall risk assessment strategies. 80-20 Ergonomics™ is designed to rapidly achieve and sustain results.

Continuous Improvement Process



80-20 Ergonomics™

