

GUIDE TO REDUCING CLEANING COSTS FOR INDUSTRIAL FACILITIES



KEEP YOUR FACILITY SAFE AND CLEAN FOR LESS

GUIDE TO REDUCING CLEANING COSTS FOR INDUSTRIAL FACILITIES

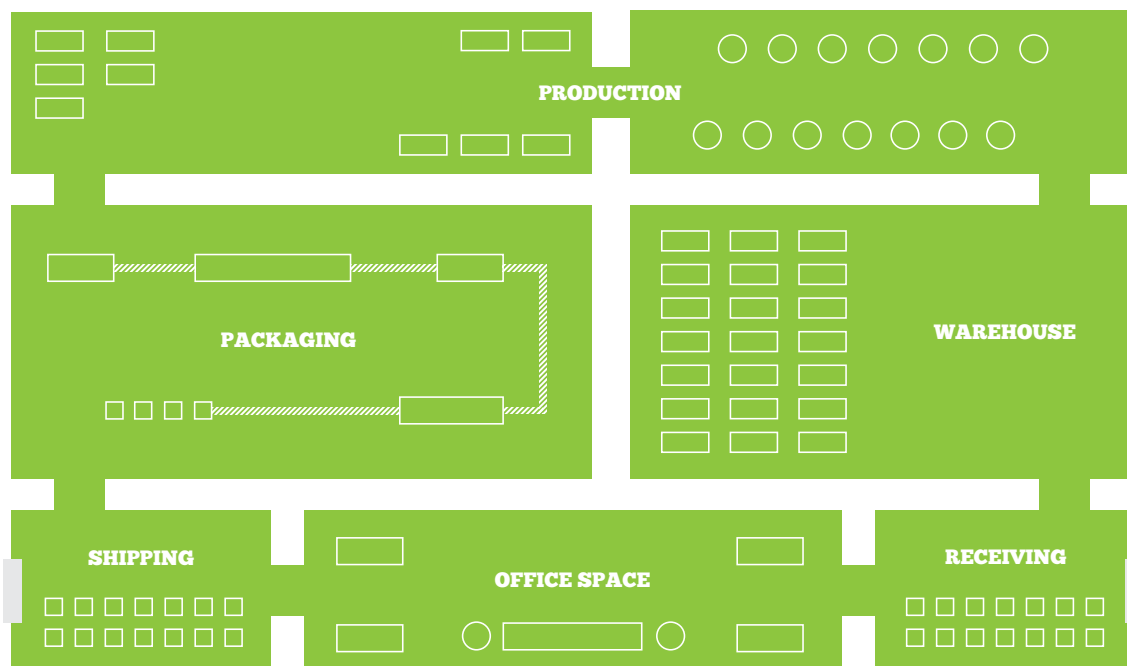
Keeping your facility clean is very important to protecting your employees, production line, products, and overall operations. You also want to be sure you're keeping costs down by being as efficient as possible. Four key items to consider are understanding your space, improving sustainability, enhancing safety, and maximising productivity.

#1 UNDERSTAND YOUR SPACE

Understanding the challenges your space presents is critical to your success. Consider the square footage, temperatures, types of floor surface, and types of debris present – from liquids and grease to dust and debris – in different areas.

Tight, confined spaces require a certain set of tools, such as brooms, mops or a compact cleaning machine, while larger, more open spaces allow you to use bigger, more robust cleaning equipment. To maximise employee productivity, make sure you have the right cleaning fleet.

Also, different floor surfaces require different types of floor coatings to ensure floors are safe and not too slippery, reducing the potential for costly accidents.



GUIDE TO REDUCING CLEANING COSTS FOR INDUSTRIAL FACILITIES

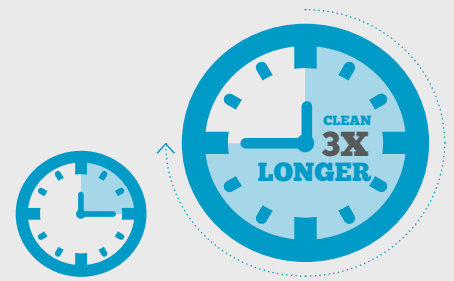
It's also important to consider the type of dirt, dust, debris, and soils that need to be cleaned. If your crew typically sweeps before scrubbing, consider using an integrated machine that can pick up dust and debris before scrubbing to reduce time spent doing both tasks. Some cleaning machines offer on-board wand attachments, such as the Tennant S16, to enhance productivity by allowing one-pass cleaning. If dust is an issue, look for equipment that offers excellent dust filtration, reducing the need for additional passes.

#2 LEVERAGE NEW TECHNOLOGY

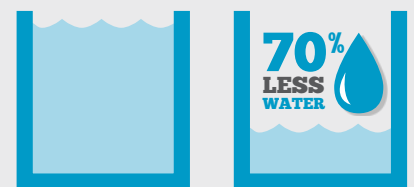
Everyone is looking for ways to minimise their environmental impact. Reducing water and chemical use in cleaning operations can support your facility's sustainability initiatives, in addition to reducing costs.

A newer technology to the cleaning industry, electrically converted water, enables cleaning without using traditional cleaning chemicals. Safe and effective, electrically converted water is an innovative cleaning solution that reduces environmental impact compared to daily floor cleaning chemicals and methods.

Some of these systems enhance productivity by enabling crews to clean up to three times longer with a single tank of water, and use up to 70 percent less water than conventional floor cleaning equipment.



Clean up to **three times longer** with a single tank of water



Use up to **70 percent less** water than conventional floor cleaning equipment

#3 ENHANCE FACILITY SAFETY

Keeping your facility clean and safe, and ensuring the safety of employees and visitors is an important job for facility managers. Reducing cleaning-related hazards—including slippery floors, poor indoor air quality, and handling and mixing chemicals—will make your facility safer and reduce potential costs.

REDUCE SLIP AND FALL INCIDENTS

According to the Centers for Disease Control and Prevention, falls are among the leading causes of unintentional injuries in the United States, accounting for approximately 70 million emergency visits annually.¹ Slip and fall incidents involving employees frequently results in disabling injuries, lost workdays, reduced productivity, and expensive workers compensation claims.

The annual direct cost of disabling occupational injuries due to slips, trips, and falls is estimated to exceed \$10.84 billion per year, according to the 2020 Liberty Mutual Workplace Safety Index.² Work injuries on average cost \$42,000 per accident,³ and the average workers compensation claim is \$47,516.⁴

Spills, trips, and falls are the second most common cause of lost-workday injuries.⁵ Water, soap, and other build up can make floors slippery but cleaning floors correctly and not allowing fluids to sit on the floor minimizes the risk of injuries.

WAYS TO REDUCE SLIP AND FALLS

1. Ensure your cleaning equipment and team are not leaving standing water behind when cleaning. Excellent water recovery systems on machines reduce the chance of slip and fall injuries.
2. Make sure you don't have excessive chemical buildup that may make floors slippery. Chemical-free cleaning makes floors safer by removing accumulated cleaning chemical buildup that makes floors slippery.
3. Use National Floor Safety Institute (NFSI) certified products to ensure your floors are high-traction and safer for employees and others in your facility. Using floor cleaning equipment that is NFSI-certified as "high- traction" helps make your floors safer for employees.

GUIDE TO REDUCING CLEANING COSTS FOR INDUSTRIAL FACILITIES

REDUCE EXPOSURE TO VOLATILE ORGANIC COMPOUNDS

Volatile Organic Compounds (VOCs), including fragrances often found in cleaning products, can contribute to poor indoor air quality and can irritate individuals with chemical sensitivities or asthma.

TO LIMIT VOC EXPOSURE – AND POTENTIAL COSTS FROM INJURIES – IN YOUR MANUFACTURING FACILITY

1. Carefully read labels to determine if cleaning products are fragrance-free, and avoid “scent-free” products that may contain masking fragrances.
2. Choose low-emitting cleaning products that have been third-party certified by reputable organizations.
3. Minimize the use of solvent-based cleaners – save them for tasks where gentler cleaners aren’t effective, and make sure any area where they’re used is well ventilated.

REDUCE AIRBORNE DUST

Airborne dust in your facility can affect product quality and increase costs. Minimising airborne dust improves indoor air quality and overall cleanliness by preventing dust from settling on floors and other flat surfaces. Machines that offer excellent dry dust control keep facilities cleaner and safer, while improving manufacturing processes and productivity.

#4 MAXIMISE PRODUCTIVITY

While you can't add hours to the day, you can make sure your employees are spending their time wisely when on the clock.

WAYS TO OPTIMIZE TIME SPENT ON CLEANING

1. Reduce the need for team members to hop on and off machines and use a broom or mop to clean in tight spaces by leveraging machines that allow you to clean close to racks, pallets, and equipment.
2. Choose power sources that meet the needs of your cleaning schedule, including batteries that enable crews to maximize time and floor cleaning capacity to clean during their shift on a single charge.
3. Select equipment with pre-set options that allow team members to start cleaning immediately, reducing set up time while providing consistent cleaning results.
4. Maintain equipment to ensure it continues to provide peak performance.
5. Select equipment designed with time-saving maintenance features that allow your team to spend less time performing maintenance and more time cleaning.

SOURCES

1. Centers for Disease Control and Prevention. (2019). WISQARS Data Visualization. Explore Nonfatal Injury Data Visualization Tool. <https://wisqars-viz.cdc.gov:8006/non-fatal/explore/trends>.
2. Liberty Mutual Insurance. (2020, October 16). 2020 Workplace Safety Index. The Top 10 Causes of Disabling Injuries. <https://viewpoint.libertymutualgroup.com/article/2020-workplace-safety-index-the-top-10-causes-of-disabling-injuries/>.
3. National Safety Council. (2021, January 27). Work Injury Costs. Injury Facts. <https://injuryfacts.nsc.org/work/costs/work-injury-costs/>.
4. National Safety Council. (2020, September 10). Workers' Compensation Costs. National Council on Compensation Insurance's Workers Compensation Statistical Plan 2017-2018. <https://injuryfacts.nsc.org/work/costs/workers-compensation-costs/>.
5. National Institute for Occupational Safety and Health. (2012, October). Workplace Solutions. Preventing Slips, Trips and Falls in Wholesale and Retail Trade Establishments. <https://www.cdc.gov/niosh/docs/2013-100/pdfs/2013-100.pdf>

Ready to make a change? Call a Tennant expert today.

Contact a Tennant specialist to learn more about how a partnership with Tennant can help you drive efficiency and lower your cost to clean.

01604 583191
uk.tennantco.com