Advanced work safety environment - from theory to practice
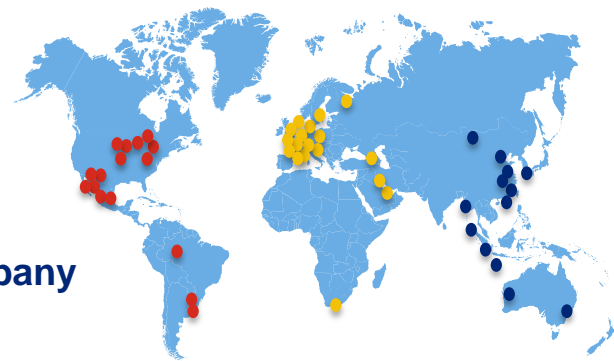
- **Brady Intro**
- **Norms / Recommendations**
- **What / Why/ How**
- **New Product Launch**
- **Do not forget!**

Brady

- **More than 100 years- old company**
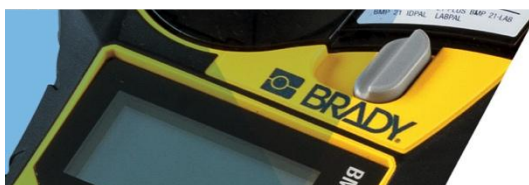- **Publicly- traded on NYSE**
- **More than 6,400 employees**
- **+Operations in 31 countries**
- **Distribution in more than 79 countries through more than 400 distributor partners**

Brady — The undisputed expert in safety and identification solutions, helping businesses be safe, secure and productive.

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Brady Products

Labels, Sleeves and Tags
→ Wire, Cable & Panel Markers
→ General Labelling & Equipment Identification
→ Laboratory Labels

Printers and Scanners
→ Benchtop/Desktop Printers
→ Portable Label Printers
→ Printer Applicators / Specialty

Software
→ Workstation
→ CodeSoft
→ Link360

Safety Signs
→ Mandatory Signs
→ Prohibition Signs
→ Warning Signs

Pipe Markers and Valve ID
→ Pipe Markers with Legend/Text
→ Pipe Markers without Text

Area and Logistics Marking
→ Floor Marking
→ Logistics and Warehouse Labelling
→ Barricade & Underground Tapes

Spill Control Products
→ Absorbent Rugs and Mats
→ Chemical Sorbents
→ Oil Only Sorbents

Visual Tagging - Scafftag
→ Working at Height
→ Workspace Control
→ Process & Pipelines

Lockout Tagout
→ Electrical Risk Lockout
→ Mechanical Risk Lockout
→ Padlocks

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Reminder on regulations and best practices
Lockout Tagout around the World

➢The EU Guidelines 89/655 specify minimum requirements concerning safety and health while using equipment. Paragraph 2.14 lays down that "every piece of equipment must be fitted with clearly visible devices with which it can be separated from every energy source.

➢The EN 1037 norm related to the equipment's safety defines the measures regarding the energy isolation of machinery and the power dissipation to prevent hazardous equipment re-energising. It assures a safe and secure intervention within a risk-prone area.

➢European directive CEE 89/655 outlines the minimum regulations for the safety and protection of employees when servicing industrial equipment.

EUROPE
➢C2006/42/EC - Machine Directive
➢22009/104/EC - Work Directive

INTERNATIONAL
➢IEC 60204 - Safety of Machinery (Electrical)
➢IISO 14118 - Prevention of Unexpected Start-Up

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What?

The de-energization and isolation of all potentially hazardous energies that supply production or facility-operating

Why?

Save lives
Reduced accident rates and injury costs
Less downtime, higher productivity
Reduced Indirect costs

How?

Policy and procedures
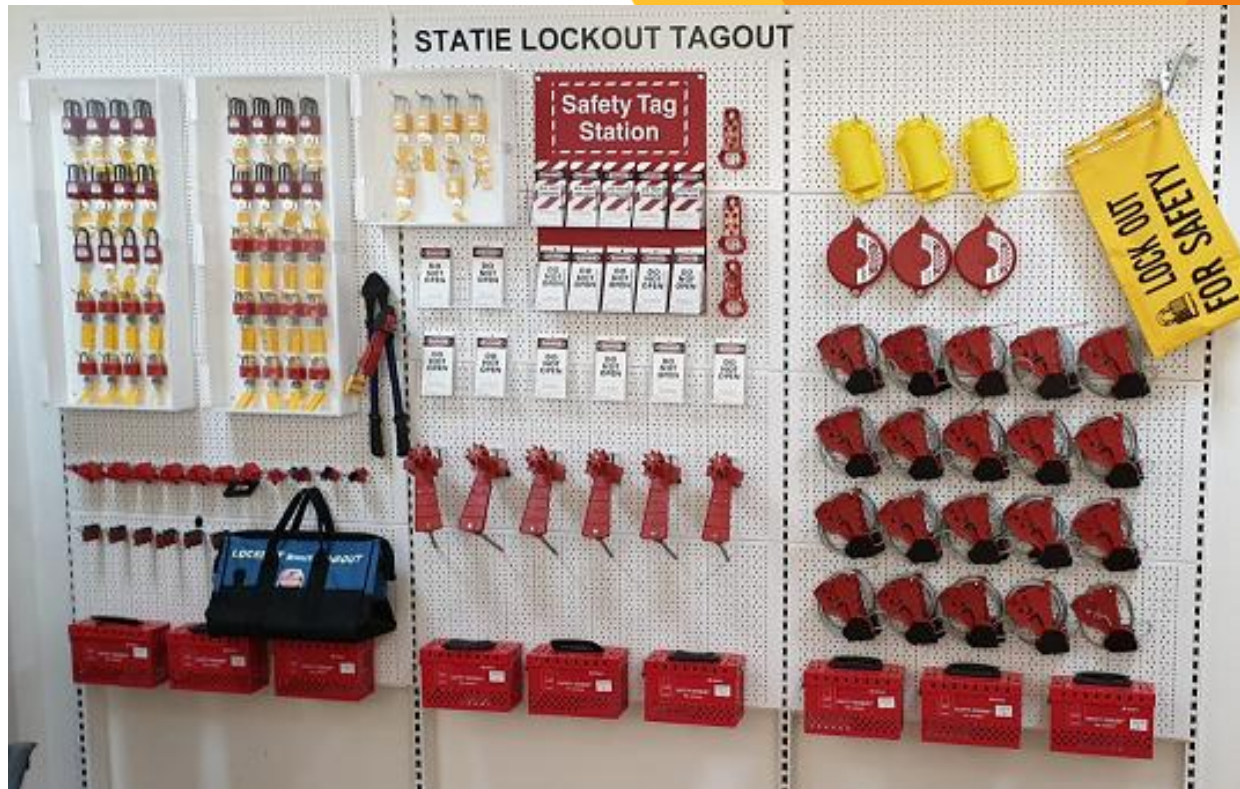Identification
Devices and padlocks
Training

Field Services

Software

Products

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Lockout / Tagout. What?

A lockout-system usually (MUST) contain the following components:

➢ Lockout-padlock for locking

➢ Lockout-device for blocking valves, switches, gates, etc.

➢ Tags for the clear marking of the lockout point including information about the purpose, name of the responsible person, duration of the lockout, etc.

An effective Lockout/Tagout system requires at least a padlock and a tag!

Lockout / Tagout: 1st cause in accidents. Why?

15 to 20% of accidents are due to maintenance operations

43% of the accidents are due to non or wrong Lockout/Tagout implementation

- 31% no LOTO in place
- 12% wrong use of LOTO

It is psychological proven that people have 3 main needs that is important to be satisfied:

- CONNECTION
- COMPETENCE
- CONTROL

We need to work on improving the workers need for personal motivation!

Lockout / Tagout: 1st cause in accidents. Why?

"Lockout is a Behavioral Safety Issue, no matter how robust our systems are or how thorough our processes are, our people won't be safe unless they are motivated to act safely!"

Corporate Safety Leader from Major Beverage Company

From

Enforcement

You must follow my rules, Policy, procedure..

Change = new rules

To

Empowerment

This is our workplace, our work, our procedures, I am Accountable

Change = our continuous improvement

Lockout / Tagout. HOW?

1. Create a Lockout/Tagout Policy

Developing and documenting an equipment energy control policy

2. Write Machine Specific Procedures

Detail the specific steps necessary for shutting down, isolating, blocking and securing equipment to control hazardous energy

3. Identify Energy Isolation Points

Locate and identify all energy control points, including valves, switches…

4. Training all employees affected and other employees/subcontractors Involved

5. Provide Proper Lockout/Tagout Tools

6. Sustainability - creating a safety culture

New Product Launch

With the S3100 Sign & Label Printer, you can print a wide range of signs and labels to increase safety and efficiency in any workplace. Safety signs, floor marking, 5S labels, lean labels, labels to identify racks, doors, stairs, bins, desks and chairs and CLP-labels to identify chemicals can all be printed with the S3100 at your location whenever you need them.

The BradyJet J2000 Colour Label Printer is a practical and easy to use, full colour inkjet label printer that can print reliable, high resolution signs, facility and laboratory sample labels.

The complete BradyPrinter M611 Mobile Printer and Brady Workstation Software solution bridges the printing gap between the office and the field. With this combination of mobile software and mobile print connectivity, you get the freedom to push data from the office to the field so your field engineers have everything they need to complete the task at hand. After the job is complete, rely on the high-performance of Brady materials to provide long-lasting identification.

New Product Launch

The new innovative Blind Flange LockOut provides a great solution to control energy points at pipes and support to protect workers from accidental release of hazardous chemicals, gases, and other risks.

3 Sizes for pipes ranging from 13 to 1219mm

Brady's collapsible gate valve design provides secure lockout for a wider range of valves, with the use of fewer devices.
Flexible: 3 size variations can lock valves ranging from 76 mm up to 457 mm

Pendant Control Safety Cover- fully control access to a wide range of crane and hoist pendant buttons with a single tool to avoid undesired use and improve worker safety. Expands to fit 100 - 450 mm pendant controls. Collapsible design allows it to flatten for easy storage.

Our innovative SafeKey Lockout Padlocks help achieve the safest Lockout/Tagout procedures during maintenance operations. With 100 000+ unique keys, the locks can support large, company specific key hierarchies in which no 2 locks can be opened with the same key.

Standard options

Keyed Different (KD) – Each lock is opened by its own unique key. Perfect for simple lockout applications and a manageable number of energy isolation points.
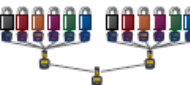
Keyed Alike (KA) – Each lock in the group can be opened with the same key. Easy to find the right key, reduces number of keys needed to carry. Ideal for individuals or trades responsible for multiple machines or isolation points.
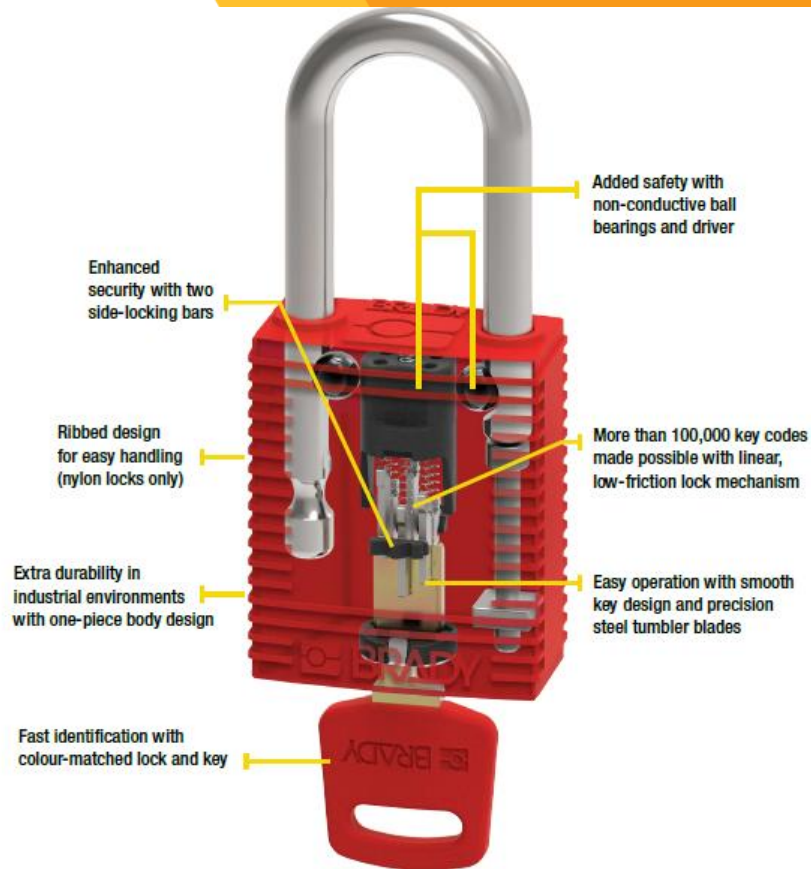
Custom options

Master Keyed (MK) – Each grouping of locks (whether keyed alike or different) can be opened with a master key. Useful for larger, complex systems when supervisory access may be required

Grand Master Keyed (GMK) – The grand master key can open all locks grouped into two or more master keyed systems. Useful for larger, complex systems where supervisory or managerial access to all locks in the facility is needed.

Added safety with non-conductive ball bearings and driver

Enhanced security with two side-locking bars

Ribbed design for easy handling (nylon locks only)

More than 100,000 key codes made possible with linear, low-friction lock mechanism

Extra durability in industrial environments with one-piece body design

Easy operation with smooth key design and precision steel tumbler blades

Fast identification with colour-matched lock and key

BRADY

DO NOT FORGET?

Questions?

Va multumesc!

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