



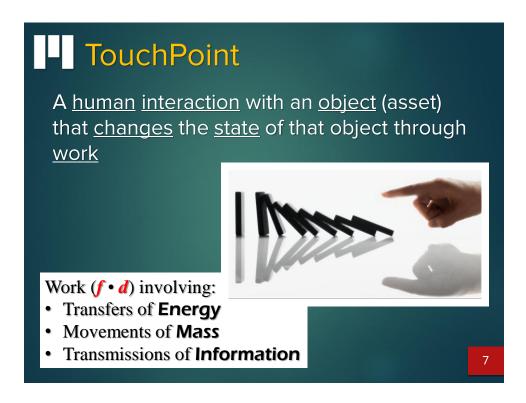
Workplace Realities

- Market Place competition, various demands, many implicit, pressures, and resource constraints, goal conflicts: faster, better, cheaper, & safer
- Residual Risks intrinsic hazards, dynamic, human fallibility (3-4 errors per hour)
- <u>Error traps</u> local factors that provoke error, uncertainty, complexity, surprises, etc.
- Overconfidence in the System: underspecified design, procedures, resources, training, etc.
- <u>Land mines</u> hidden sources of energy, mass, and information that could cause harm to assets; configuration
- Defenses missing, faulty, and sometimes bypassed

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Workers Create Safety*

- Adjustments: responses to incomplete or inaccurate plans, procedures, policies, design, etc. in order to protect key assets during work
- <u>Expertise</u>: bedrock of risk-based thinking; in-depth technical know-how tempered with experience; knowledge of assets' limitations
- Chronic uneasiness: mindfulness of fallibility, uncertainty, and potential sources of harm to assets in the workplace

Reason, J. (2008), The Human Contribution, and Woods, D. et al. (2010), Beyond Human Error, 2nd ed., pp.10-11.

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