



COLLAB HOUR

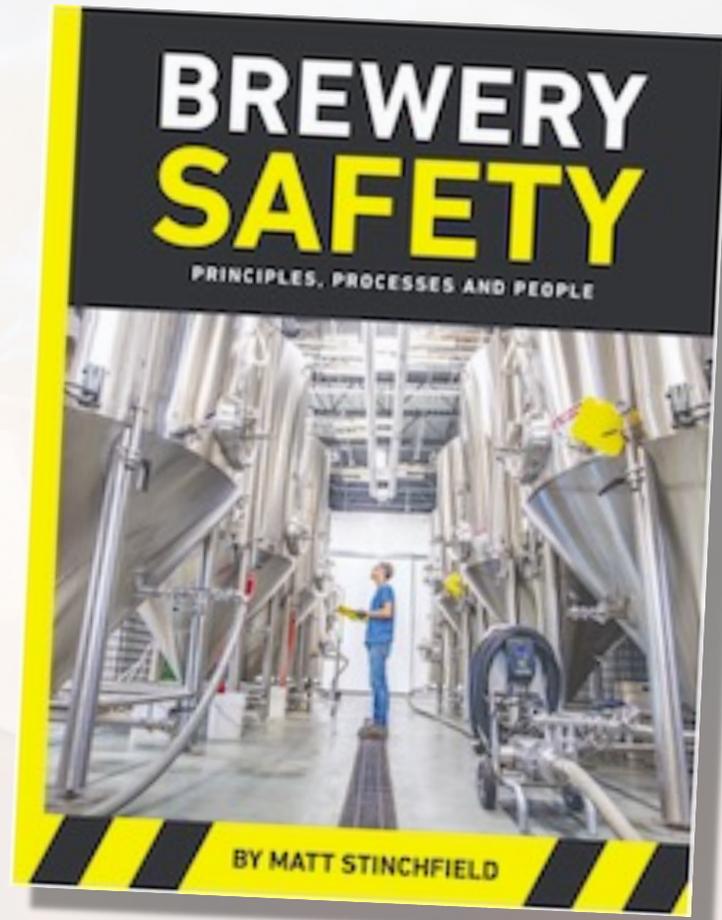


Weekly Webcast
for Members

SAFETY: WHAT MATTERS IS ENERGY

*A Glimpse Into
Brewery Safety: Principles, Processes, and People
with Author Matt Stinchfield*

**So, this
happened...**



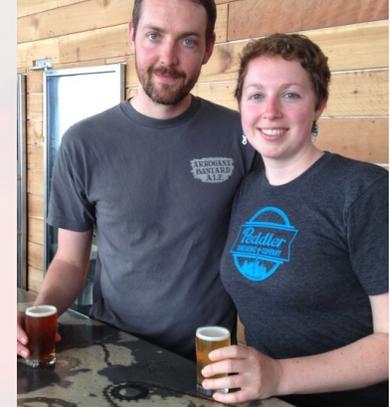
1. Energy may be Beneficial or Hazardous

2. Safety is Freedom from Harm

3. Harm is body change that occurs after absorbing, or reacting to, change in energy

4. Energy Harm:

- **Directly**
- **Putting Mass in Motion**
- **Changing Molecules**



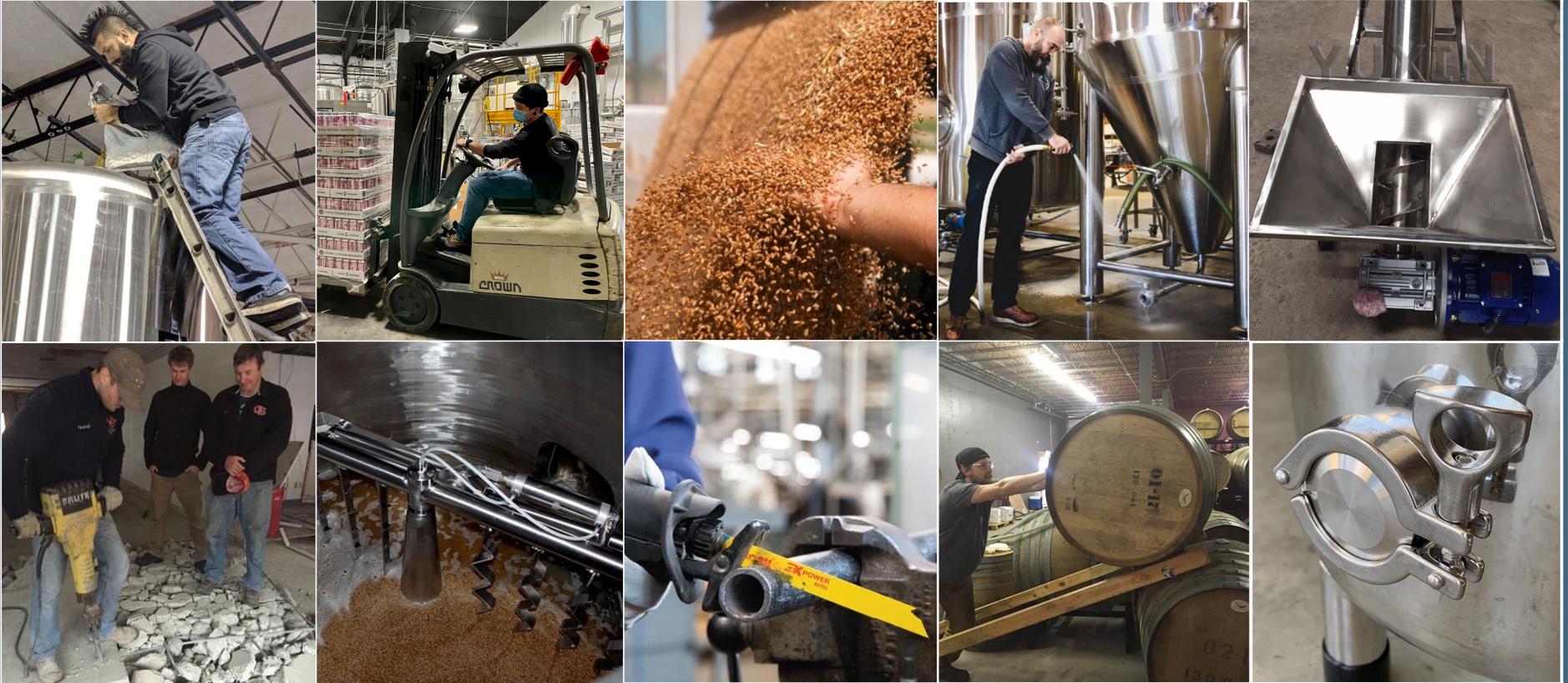
**Energy or
Matter**

**Moving,
Changing**

**Can be
Hazardous**

CLASSICAL SAFETY TERM	WHAT IS MOVING OR CHANGING?	HAZARDOUS ENERGY FOUND IN A BREWERY
PHYSICAL	Matter (mass) moving	Mechanical (movement, pressure, tension), Gravitational, Sound Vibrational, Thermal
	Energy (electrons)	Electrical
	EM waves (electric and magnetic fields, photons)	Radiation
CHEMICAL	Bonds (electrons)	Chemical, Fire
BIOLOGICAL	Bonds (electrons)	Biochemical, Infectious
PSYCHOSOCIAL	Bonds (electrons)	Intoxicants, Neurodiversity, Conflict

MECHANICAL ENERGY IN THE BREWERY



Avoiding Hazardous Energy Transfer

PREVENTION

- ELIMINATION
- SUBSTITUTION
- THOUGHTS AND ACTIONS
 - SAFE WORK
 - POLICIES
 - TRAINING

PROTECTION

- SHIELDING
 - ISOLATION AND BARRIERS
 - DISTANCE
- TIME
- RESTRAINT

Avoiding Hazardous Human Energy

PREVENTION

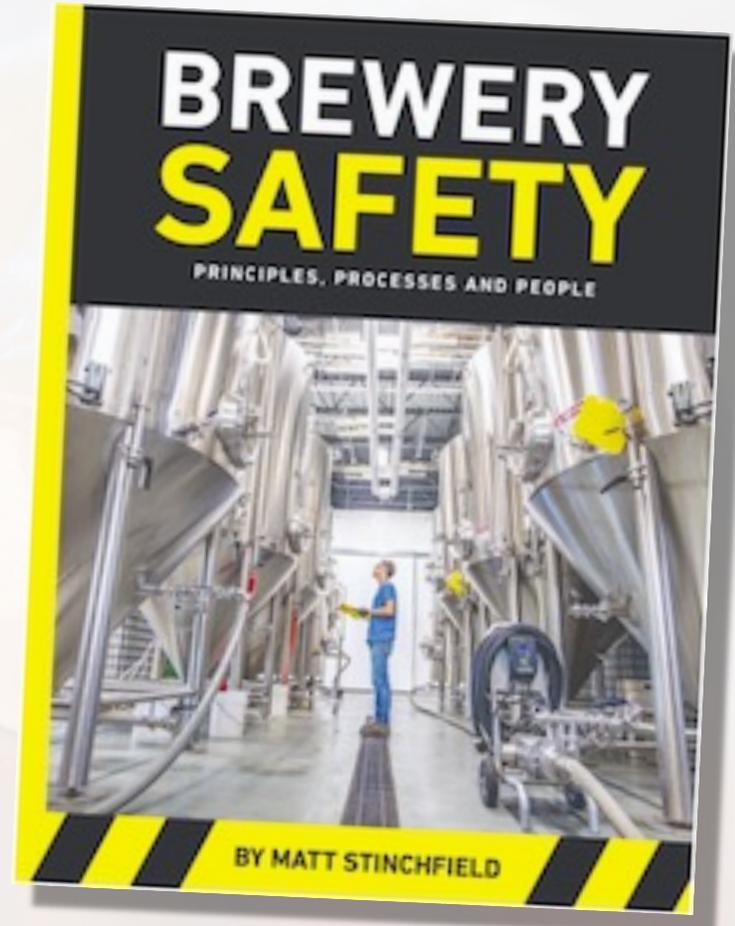
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***BREWERY SAFETY: PRINCIPLES,
PROCESSES, AND PEOPLE***

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