LABS
Life And Building Safety

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FACTORY GRADUATION · CASE STORY

Liefeng Outdoors (Cambodia) Co., Ltd.

Phum Pechchangvar, Khum Boeung Tranh Khang Chhoeung, Sruk Somrong, Takeo Province, Cambodia

GRADUATED
Sep 26, 2026

INITIAL RATING
RED AMBER

BUILDING	WORKERS	BUILDING AGE	ONBOARDED	BRAND PARTNER
Single-story, steel roof trusses	1,131	8 years	Jul 9, 2024	Walmart

ABOUT THE FACTORY

Liefeng Outdoors (Cambodia) Co., Ltd. was established in 2018 in Takeo Province, where **1,131 workers** make outdoor products, including cooler bags, backpacks, travel bags, and waterproof bags, for retailers such as Walmart, Target, Costco, Home Depot, Academy Sports + Outdoors, and Bass Pro Shops.

When Liefeng joined LABS in July 2024, its assessment rated the building Red/Amber, with gaps in electrical protection, fire safety, and structural safety. The factory closed all corrective actions in August 2026 and graduated in September 2026 after a final verification visit.

THE GRADUATION JOURNEY

Onboarding	Assessment	CAP signed off	Remediation	CAP closure	Graduation
01	02	03	04	05	06
Jul 2024	Sep 2024	Feb 2025	2 years	Aug 2026	Sep 2026

THE ASSESSMENT

The first LABS assessment, in September 2024, rated the factory Red/Amber and recorded **37 issues**. All were verified as closed, with no new observations. These key findings shaped the corrective action plan (CAP):

- Insufficient grounding and lightning protection records
- Inadequate fire detection and firefighting water supply
- Obstructed escape routes and lockable or sliding exits
- Missing load calculations and connection bolts

THE REMEDIATION

Before → After

A selection of key issues, from the 37 the factory resolved before graduation.

Issue 1 Firefighting pumps





Fire pump capacity was inadequate (360 L/min at 60 m head), water flow was insufficient, and the diesel pump check valve was installed incorrectly. A new 37 kW pump (1,500 L/min at 85 m head) was installed with proper controls, and a flow test confirmed 4.5 bar residual pressure, meeting Class II standpipe requirements.

Issue 2 Fire alarm and detection





No fire alarm control panel was installed, and alarm sounders were not connected to the detection system. A new CE-certified panel with a zone map, 42 Ah backup battery, and linked detection was installed, and beam detector tests confirmed proper operation.

Issue 3 Generator grounding





The generator's protective grounding connections were inadequate. It is now connected to the protective grounding system with appropriately sized conductors.

Issue 4 Tilted fence wall





A masonry fence wall beside the warehouse was tilting by about 7.1% (10 cm over 140 cm). Steel diagonal supports were installed at regular intervals to stabilize it.

SAFETY TRAININGS

3 Training sessions held

70 Workers trained as trainers (ToT)

7 Safety topics covered

TRAINING LOG	PROVIDER	DATE
LABS Basic Training	Cambodia Safe Inspect Co.	Oct 26, 2024
LABS Level 1 Training	Cambodia Safe Inspect Co.	Sep 19, 2025
LABS Level 2 Training	Cambodia Safe Inspect Co.	Aug 11, 2026

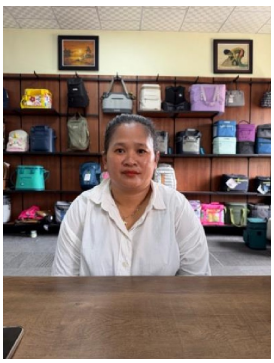
Topics covered: fire, electrical, structural, and workplace safety, including emergency response, risk assessment, and safety management systems.

> *Since joining LABS, our factory has become safer. We have fixed many safety issues and learned how to better protect our workers.*

Mr. Than Bunnak, HR Manager
Liefeng Outdoors (Cambodia) Co., Ltd.



IN THEIR WORDS



"I feel safer working here now. We have more fire detectors, and the alarm can warn us if there is a fire."

Mrs. Chhoun Sitha
CSR Officer



"Before, some things were blocking the electrical panels. Now the areas are clear, and we can easily reach them when needed."

Ms. Nuth Samphors
Sewing Supervisor