




— *Full Course Vertical
Reference and Long
Line Training*

The Volo Mission full course was designed to provide the pilot with a comprehensive understanding of working in the utility/external-load industry.

Completing the Volo Mission full course is instrumental in developing the important and necessary skills required to be an effective long line pilot.



The course is designed for:

- Companies and agencies with new hires.
- Companies entering the external-load business.
- Companies and agencies seeking cost effective training solutions.
- Pilots seeking to enhance their skill level.
- Pilots wanting to gain employment with external-load companies.

The Course Includes:

- Fundamentals of vertical reference and long lining
- Introduction and foundation of vertical reference and long lining
- Skill set development, enhancement, and refinement
- Webinar training on the safety, care, and handling of the long line
- Ground crew operations/communications training
- Safety training
- Accident case-studies
- Learn how to recognize signs of mental and environmental risk factors for external-load operations and how they effect the pilot (i.e. fatigue, task overload, stress, high or low temperatures)
- External-load operational tips
- Certificate of completion
- Daily transportation to and from course and designated hotel
- Volo Mission Welcome Pack
- Daily mid-morning and afternoon power boost break

Course Structure

FUNDAMENTALS

Introduction to Direct Visual Operational Control (DVOC) also referred to as Vertical Reference (VR). The fundamentals are key to building a strong training platform in order for the pilot to progress successfully.

Helicopter

- VR Pad work
- VR Heliport landing practice
- Stage check

Classroom

- Introduction to external-load industry
- VR/long line terminology
- Part 133 requirements

DEVELOPING SKILL SET

Introduction to the basics of long line flying. Developing the skill set allows a pilot to learn control of the line, which is crucial for long lining with efficiency.

Helicopter

- Flying with 200' steel cable
- Communication with Ground Crew

Classroom

- Case Studies
- Webinar: Learning important information on the long lines

Training Site:

- Hand signals
- Inspecting the long lines and hooks

Course Structure (cont.)

ADVANCED MANEUVERS

Continuing to build on skills, pilots will sharpen their skills in accuracy, timing, and control. Having the ability to perform advanced maneuvers such as setting an air conditioning unit on bolts, a pilot can be confident he or she is prepared for the external-load industry.

Helicopter

- Practicing advanced exercises with skill: A/C unit, Litter, pole-in-hole
- Tight traffic patterns in order to increase hook shot practice
- Precision placement

Training Site

- Prepare staging areas

— **Pilots who complete the *Volo Mission long line course* are:**

- Precise
- Efficient
- Safe
- Prepared to work in the utility/long line industry