British Columbia Alberta

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Horizontal Lifeline (HLL) System

Flexible horizontal lifeline systems (HLL) are for the attachment of personal protective equipment (PPE) e.g. lanyard, SRL etc. for protection against falls from height.

A HLL system is often required when a worker needs to traverse an area at height, such as a narrow roof area or along a sloped roof, while still connected and protected by a Fall Protection System. The design of the HLL is a complex process as loads are applied differently from a single anchorage point, or when a worker is performing work close to a roof edge.

They are used not only for Fall Arresting (FA), but also for work positioning and fall restriction (FR).





Horizontal Lifeline Systems (HLL) are used in:

- Flat roofs
- Under bridges
- Sloped roofs
- Cranes
- **Planters**
- Crane rails
- Walkways/ledges
- Working over machinery
- Aircraft Maintenance
- Truck loading and unloading
- Working over chemicals
- Railway loading and unloading



