



Tech Safety Lines' Tower Crane Rescue Course Outline

I. Classroom – visual presentation of Tower Rescue considerations, procedures, and equipment

A. Topics

1. Regulatory parameters (OSHA, ANSI)
2. Emergency Action Plan development
3. Pre-incident survey
4. Segmenting the Tower Crane – designation of the main areas of tower crane and corresponding rescue strategies for each
 - Access ladder
 - Cab
 - Boom/counterweight
5. Equipment selection and use
6. Associated Hazards specific to Tower Cranes: Recognition and Mitigation
 - Communication
 - Tower configuration
 - Cab access
7. ERT identification and response
8. Rescue Considerations
 - Rescue types – Self-Rescue, Emergency Egress (Escape), Assisted Rescue
 - Designating a safe Rescue path
 - Suspension trauma awareness

B. Equipment familiarization

1. **ARK®** – Assisted Rescue Kit specifically designed for Tower Cranes
2. **SRK-11®** – Self-Rescue Kit/Escape kit
3. **Spec Pack** -- full body harness combined with spine protection

II. Up-tower scenarios -- Each student participates in multiple scenarios from various areas of the Tower Crane

- Worker incapacitated while climbing access ladder
- Unconscious operator inside cab
- Worker suspended from boom/counterweight
- Self-Rescue and Emergency Egress from crane



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