Team Skills Rescue Workshop
Nordegg, Alberta - Canada.

September 28—October 4, 2020
Use the information provided here to help you plan your seven full days of rigging in the vertical realm

Host: Turn Around Rescue Ltd.

TurnAround Rescue Ltd. is proud to bring Reed Thorne from US Arizona-based Ropes That Rescue Ltd. to Alberta, Canada for another annual week long rope rigging/rescue workshop.

The Canadian Liaison: Tim Casavant.
Cell: (780) 405-2214
Email: tim@turnaroundrescue.ca

Food & Accommodation:
Camping is available. For more details on hotel, or rental property options in or around Nordegg please contact Tim Casavant.

About the TSRW Program:
The TSRW is a demanding 7 day long program and is ideal for industrial, tower and wilderness rescue teams, riggers or rope access technicians while focusing on the ART of Clean Rigging based on sound principles and understanding. This program will fulfill the ‘90% solution’ on most rope rescues.

Lectures on intermediate physics and how it relates to rope rigging are common throughout.
the 7 day course. Emphasis is placed on ‘why’ we do something, rather than just ‘how’. Students, as a team unit, learn how to build seemingly complex arrangements for reaching, treating and extricating a patient from the vertical high angle environment whether in industrial locations or in the wilderness. Also ideal for those who work on rope and are charged with moving materials or personnel. All the while, emphasis is placed on building everything from the basic materials most teams will have: rope, carabiners, pulleys, accessory cord, webbing and know-how. The more you know, the lighter your pack should get. The TSRW includes an extensive lecture and practical section on alternatives to highlines in the form of "offsets".

In the past 25 years, RTR was instrumental for championing high angle offsets as an alternative to training-intensive highlines. Offsets employ standard high angle techniques that most rescuers already know and so are more forgiving in the training curve than more elaborate systems.

**TSRW Key Points:**

- Over 200 page manual with reproduction of part of the lectures and slide shows (available in color for extra charge)
- Technical evacuations using litter: High angle and steep angle
- Strong emphasis on team-oriented skills
- Knot craft and mastery of rigging - learning to lash and secure things
- Intermediate pulley systems (simple through complex)
- Physics of rope rescue
- Two tensioned rope systems analysis (Steep angle evacs)
- Frames: Arizona Vortex® (as options)
  - Gin pole monopods - Rigging pods
  - A-frames
  - Sideways A-frames - Lazy leg SA frames
  - Easel A-frames
  - Arizona "Doortex" - Jamb poles
- Directionals and anchor angle force calculations
- Batwing compound pulley systems - AZ progression of 7
- Complete AZTEK kit orientation for team operations:
  - Personal travel restrict and fall protection
  - Single and double part hasty rappels
  - Belay and self belays
  - Dynamic fixed brakes, directionals, butt blocks, etc.
  - Dynamic directionals
  - Personal travel restrict and fall protection
- Mid face attendant-based and team-based litter scoops
- Team-based pick offs
- Belay, self belays, conditional belays and conditional self belays
- Sound anchoring principles: intermediate through advanced systems anchors, beach head anchors, etc.
- Focused and focused-floating anchors using opposition anchors
- Low edge mitigation - no high directional
- Hot and cold changeovers using the CMC MPD®
- Non-highline solutions to rescue scenarios
- Offsets for the high angle evacuation:
  - Deflected offsets
  - Tracking line offsets (with belay and self belay elements)
  - Skate block offsets (with belay and self belay elements)
  - Two rope offsets
- Lecture on safety factor and safety margin and “bracketing” rope strength
- Much, much more...
RTR programs are student-driven in what is covered. In seven short days (even though we are doing 10 to 12 hour days) we cannot cover it all. Students are encouraged to come forth with ideas given our available venues early in the class to help delineate the direction the program takes. See our RTR web site and RTR Facebook Page to see the rigging from last years Canadian TSRW.

Required Equipment:
Also, make sure you have the REQUIRED EQUIPMENT for this program! The AZTEK is a must for this training. Other items can be substituted. Contact us if you have any questions about equipment.

Bookings & information:
To book your spot on the RTR Team Skills Rope Workshop, or to find out more, contact:
Tim Casavant Cell: (780) 405-2214 email: tim@turnaroundsrescue.ca
Reed Thorne cell (text only) (928) 300-2726 reed@ropesthatrescue.com

Preparation for either program: TRY TO DO THIS!
Knots, bends and hitches are an integral part of every RTR program. You simply cannot be a good rigger without knowing extensive knotcraft, pure and simple. To assist you in the mastery of these knots PRIOR to class we have assembled videos of Reed and son, Keith Thorne tying each one on camera with the help of Sequoia, the green-cheek conure.

Once you have registered for either program, you are invited to join our closed Facebook Page called “Arizona ART of Clean Rigging” for access to these videos. In this page (only open to past RTR alumni and current students) you will be able to watch all the knotcraft being performed. This will speed up the learning process during the classroom portion which will allow us to get to the field earlier. However, below is a short list of required knots….

KNOTCRAFT to know for this Ropes That Rescue program (to get you started)
Here is a list to get you started:
• Figure of eight on a bight
• Butterfly knot
• Double overhand stopper
• Double overhand noose
• Inside bowline with retrace
• Bowline with a bight
• Doubled long tail bowline
• Bowline on a bight
• Water knot in webbing
• Water bend in webbing
• Munter hitch
• Clove hitch
• Becket Bend
• Double becket bend

It is advised that you be familiar with some of the knots, bends and hitches we will be using in this workshop. It is always best to have some under your belt before arriving. Much of the workshop you are attending depends in large part on the roped and webbing connections YOU form! Don’t worry so much at this time about the somewhat exotic knots like the retraced double bowline but concentrate on the easier figure of eights and simple bowlines. We will be going over many many different knots which are somewhat useful for rigging. Be prepared to tie some new ones!