









Alpentech

Experience

# Professional Engineers

by Category

*italic:* ongoing or pending work

YEAR	CLIENT / PROJECT	Project Number	Avalanche Mitigation Plan	Hwy or RR, P-lot Design	Control or Site Surveys	Parking/Base Grading Pla	1/2 pipe, Terrain Park, Plans	Snowmaking Plans	Trail Modification Grading	Mountain Road Design	Wetland Mitigation Plans	Stormwater, Erosion and Sediment Control Plans	Technical /Economic Feasibility Report	Stamped Plan Submittal
2007..	<i>AltaBird Approach, UT</i>	33	■	■					■			■		■
2006/7	<i>Agerta, Mürren, Switzerland</i>	32		■					■			■		■
2005..	<i>Wolf Mountain, UT</i>	31			■	■	■		■	■		■		■
2004..	<i>Alta Ski Lifts Co., UT</i>	30		■	■	■				■	■	■		■
2003..	<i>Davis Horne, Aspen, CO</i>	29	■											
2003..	<i>Gailey Ranch, UT</i>	28		■						■	■		■	■
1996..	<i>Crystal Mountain, WA</i>	27			■	■			■	■		■	■	
1988..	<i>Sun Valley, Idaho</i>	26			■		■		■					■
1987..	<i>Brighton, UT</i>	25			■	■	■	■	■	■	■	■	■	
1987..	<i>Pomerelle, ID</i>	24			■	■		■	■	■		■	■	
1986..	<i>Snowbasin, UT</i>	23			■				■	■	■	■	■	■
1971..	<i>Snowbird, UT</i>	22			■	■	■	■	■	■	■	■	■	■
2007	Millicent Lift, Brighton, UT	21		■										
2007	Civil Design, L Architects, UT	20				■			■			■		■
2005	Sunrise Townhouses, UT	19		■	■	■	■		■			■		■
2004	Ausblick Ski Club, Hartland	18				■	■	■	■			■		
2004	Brewster Residence, Utah	17		■		■						■		■
2003	Lot 8, Hellgate, Alta	16	■											
2003-05	Tom Lewis, Little Cl. Aspen	15	■											
2003	Lot 8, Hellgate, Alta	14	■											
2001	The Colony (SMI), Utah	13		■				■					■	
2000-02	Montana Snowbowl	12			■	■	■							
2000	Lot 8, Hellgate, Alta	11	■											
1989	Highland Bowl, Aspen CO	10	■											
1991-98	Brundage Mountain, ID	9			■	■			■		■	■		
1991-98	Soldier Mountain, ID	8			■	■			■	■	■	■	■	■
1997..	Belleayre Mtn. NY	7			■		■		■	■	■			
1995/96	Hyosung, Korea (Zehren)	6						■					■	
1996-00	Pebble Creek, ID	5			■	■			■	■		■	■	
1986	Snowbasin, UT, 2 lifts	4			■	■								
1976-98	Solitude, Eagle Express, UT	3			■				■	■		■	■	
1977-98	Park City M.R. UT, lifts, slide	2			■				■					
1972-88	Heritage Mt, Provo, UT, Funi.	1			■	■				■	■	■	■	

**Selected Engineering Projects****Lift Layout/ Design**

Funiculars	Heritage Mt.; Park City, UT; Winterpk and Arrowhd., CO	Project engineers and surveyors for largest funicular project Funicular ANSI code input, vertical and horizontal line design.
Aerial	Alta and Snowbird, UT	Project engineers providing layout, bid evaluation, station
Trams	Big Sky and Butte, MT Crystal Mountain, WA	circulation planning, and line surveys Construciton crew at Snwobird,
Gondolas	HMtn(3), Galena, Crystal UT(2)	Project engineers and surveyors
Chair lifts	long list	Project engineers and surveyors
Tows	long list	Grade desing, project engineers and surveyors

**Road Design**

2002..	<i>The Gailey Ranch, LLC</i>	Numerous highway designs for resort access
2004	U210 Little Cottonwood Can.	Study and design for road relocation to avoid avalanches

**Cog Railway Projects**

2002..	<i>The Gailey Ranch, LLC</i>	Alternative Cog Railway mountain access proposal
2001	The Colony at Whitepine Can.	Cog Railway enigneering feasibiliyt study
1980	Wasatch Mountain Railway Plan	connecting 7 ski areas from Sal Lake Valley to Park City

**Summer Slides**

Boreal, Park City, Snowbird	Alpine Slide stakeout
Breckenridge, Park City ('00)	Alpine Slide track redesign and stakeout
Mtn. Creek, NJ, Bigmtn. MT	Thrill Sled track layout and design

**Avalanche Mitigation**

2004...	<i>Davis Horn, Inc, Aspen, CO</i>	7 different avalanche mitigation plans
2005/6	IMC Group, Basalt, CO	McFarland Avalnche Path, Morningstar Development, Aspen
2003	Lyle Reeder, Aspen, CO	Combined rock fall /snow slide protection plan for residence.
2002	Tom Lewis, LPI, Aspen, CO.	Review of Shadow Mtn, Mears, Lampiris avalanche reports.
1992	Highland Bowl, Aspen CO	Caslte Creek home protection during avalnache control .
1986-89	Tansamerica Insurance Co.	Detailed investigation of the Allen Avalanche at Sundance.

**Testmonies & Depositions**

Avalanche/Zoning	Deposition: Town of Aspen zoning issue, Little Cloud Subdiv.
Sliding falls, slippry fabric	Deposition regarding fabric sliding on snow, ice surfaces.
Snow avalanche damage	Deposition of findings of destructive avalanche event.

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## Map and Poster Creations

by Category

*italic:* in the works

YEAR	CLIENT or Alpentech Project	Project Number	Inventory, Layout	Existing Map Study	Digital Map Creation	Field Proofing	Suitability or Constraint Modeling, 3D-Mapping	Summer and Winter Trail Coordination	Agency Coordination	Photography, Artwork	e-Prep	Press Check
<b>2007/8</b>	<b><i>Wasatch Touring Map 1 update</i></b>	28	█	█	█	█	█	█	█	█	█	█
<b>2007</b>	<b><i>Wasatch Touring Map 3</i></b>	27	█	█	█	█		█	█	█	█	█
<b>2004...</b>	<b><i>Utah Aerial Poster Series</i></b>	26	█	█	█	█				█		
<b>1986...</b>	<b><i>Bryce Hiking Map, 4 reprints</i></b>	25		█						█		█
2006	Wasatch Touring Map 2, update	24	█	█	█	█	█	█	█	█	█	█
2005	Wasatch Touring Map 4, tearproof	23	█	█	█	█	█	█	█	█	█	█
2005	Snowbasin Nordic Trail Map	22	█		█					█	█	█
2004	Snowbasin Olympic DH brochure	21	█		█					█		
2004	Snowbasin Summer Trail Map Assist.	20	█		█					█	█	█
2003	Wasatch Touring Map 2 update	19	█	█	█	█	█	█	█	█	█	█
2003	Snowbasin Bike Trail Map	18		█					█	█		
2003	Unita backcountry maps 1, 2, tearproof	17	█	█	█	█	█	█	█	█	█	█
2002	2002 Olmympic Downhill poster	16	█		█					█	█	█
2002	Bryce Hiking Map digital update	15		█						█		█
2001	Stansbury map first digital map	14	█	█	█	█	█	█	█	█	█	█
2000	Terry Peak photo rendering	13	█	█	█	█		█	█	█	█	█
1999	Wasatach Touring Map 1 reprint	12	█	█				█	█	█	█	█
1998	Golden Peaks Resort rendering	11								█		
1996	Golden Peaks 3D model, photo-art	10								█		
1996/2002	Snowbasin Posters	9								█		
1992	Wasatch Touring Maps 1, 2 update	8	█	█		█	█		█	█		
1986	Uinta (West Slope) backcountry map	7		█						█		█
1986	Park City, Solitude, Snowbird Posters	6								█		█
1976	Stansbury ski touring / hiking map	5	█	█		█	█		█	█		█
1976	Wasatach Touring Map 3	4	█	█		█			█	█		█
1983	Bryce Canyon Hiking Map	3	█			█			█	█		█
1982	Wasatch Touring Maps 1, 2	2	█	█		█			█	█		
1976	Wasatch Touring Map	1	█	█		█			█	█		