


Select Shotcrete Technologies, Inc. Projects:

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Select Mines:	Location	Type	Train/Technical	Accelerator	Robotic Nozzle	Remarks
Getchell Gold	Nevada	Gold Mine	Yes	Shot-Set 250	Yes	Underground Gold Mine
Kennecott Copper	Tooele, Utah	Copper	Yes	Shot-Set 250	Yes	Guy F. Atkinson, 15' x 15" horseshoe tunnel
Chevron	Questa, NM	Mine	Yes	Shot-Set 250	Yes	Molybdenum Mine
Barrick Gold	Elko, Nevada	Gold Mine	Yes		Yes	Robotic Arm Mounted on Gehl to fit small headings
Kinross	Republic, WA	Gold Mine	Yes +	Shot-Set 250	Yes	
Troy Mine	Troy, Montana	Silver& Copper	Yes	Shot-Set 250	Yes	
Star Mine	Ouray, Colorado	Gold Mine	Yes +		Yes	Robotic Arm mounted on Kubota with Reed gunite machine
Coeur Mexicana	Chihuahua, MX	Palmerejo Silver Mine	Yes +	Shot-Set 250	Yes	Robotic Arms mounted on Kubota's , Batch plants, Training & support
Newmont Gold	New Afton, BC	Gold Mine	Yes		Yes	SMD, Shaft
DMC, Various Mines	U.S.		Yes	Shot-Set 250	Yes	Robotic Arms mounted on Kubota's
Mt. Isa Mines	Australia	Gold Mine	Yes +	Shot-Set 250	yes	Various gold mines in Australia/Boral
Utah Fuel	Utah	Coal Mine	Yes	Shot-Set 250	Yes	Permissible Shotcrete Units
Coal Mines	W VA & PA - RG Johnson	Coal Mine	Yes	N/A	Yes	Permissible Shotcrete Units
Thornton Quarry, Hanson Materials	Thornton, Ill	Limestone Quarry	Yes	Shot-Set 250	Yes	Mounted on 120' High crane, shooting SFS with SS 250.
Martin Marietta	W. Virginia & Ohio	Limestone Mines	Yes +	Shot-Set 250	Yes	
Mina Andina	Chile	Gold Mine	Yes		Yes	Codelco, Chile, Robotic Arms mounted on telehandler
Pattison Sand & Gravel			Yes +	Shot-Set 250	Yes	Sand quarry,
Arch Materials		Limestone Mine	Yes	Shot-Set 250	Yes	Robotic Arm mounted on Belarus Tractor.
Limestone Mine	Iowa,	NATM, wet mix shotcrete	Yes	Shot-Set 250	yes	Gunther Nash, Skyline Contractors, 12% decline.
Iscaycruz	Peru	Gold Mine	Yes	Shot-Set 250	Yes	16,000 ft. elevation
New Gold, New Afton Mine	British Columbia	Shaftlining	Yes +	Shot-Set 250	Yes	1000 ft. deep, 10 ft. ID 2" fiber reinforced Shotcrete- 6 days
Twenty Mile Coal	Colorado	Coal Mine	Yes	Shot-Set 250	Yes	
Western Mining	Kalgoorlie, Australia	Gold Mine	Yes	Shot-Set 250	Yes	
BHP	Saskatchewan	Potash Mine	Yes	Shot-Set 250	Yes	New Potash Mine Development
Bridger Coal	Wyoming	Shaftlining	Yes +	Shot-Set 250		Robotic Shaft Lining, 25' Diameter, 350' Deep
Pan American Silver	Zacatecas, Mexico	Shaftlining	Yes +	Shot-Set 250		Mina la Colorada - 3.5m Diameter, 210m Deep Raisbor
Operaciones San Jose de Plata	Chihuahua, MX	Shaftlining	Yes +		Yes	Centrifugal Shaftlining - Los Gatos
Select Infrastructure & Tunnel Projects:	Location	Type	Train/Technical	Accelerator	Robotic Nozzle	Remarks
Eastside Water Intake	Webster, NY	Water Tunnel	Yes +	Shot-Set 250	Yes	Fresh Water intake tunnel, 9'ID, Southland Constructors
Uzbekistan		100 plus miles of Water			Yes	Small robotic arm to fit small diameter circular water tunnel
LA Water & Power	Mojave, CA	Water tunnel	Yes +	Shot-Set 250	Yes	Repair Aqueducts and Seismic Upgrade
Lake Mead Intake	Boulder City, NV	Water Tunnel	Yes	Shot-Set 250	Yes	Vegas Tunnel Constructors & Sutherland Constructors
LA Redline, Hollywood Station	Los Angeles, CA	Subway	Yes	Shot-Set 250	Yes	Soft Ground: Traylor Brothers.
Atlanta CSO	Atlanta, GA	Shaft	Yes	Shot-Set 250	Yes	W.L. Hailey
Mission Valley East Light Rail	San Diego, CA	Tunnel under SDSU	Yes	Both	Yes	NATM: Hatch, Mott, McDonald- Atkinson Clark. Truck Mounted
Wine Caves	California	various shapes & sizes	Yes	Shot-Set 250		Over 100 wine caves, Roadheader and Wet-Shotcrete,
New Hampshire St. Station	Washington, DC	Subway	Yes	Shot-Set 250	Yes	Sand and silt- Lattice girder: Kiewit/Kenny

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Consorticio Linea II	Caracas, Venezuela	Subway	Yes +	Shot-Set 250	Yes	training and consulting
TrenUrbano	San Juan, Puerto Rico	Subway	Yes +	Shot-Set 250		NATM, Kiewit/Kenney/Zachary (1st subway system in Caribbean)
Santo Domingo Subway	Santo Domingo	Subway	Yes +	Shot-Set 250	Yes	Nicobar (2nd subway system in Caribbean)
Tri-Met Subway	Portland, OR	Subway	Yes	Shot-Set 250	Yes	Difficult Ground
H-3 Tunnels/ Halawa	Honolulu, HI	Highway	Yes +	Shot-Set 250	Yes	Volcanic Rock: Frontier Kemper, Dillingham, Kiewit
Hanging Lake Tunnels	Glenwood Canyon, CO	Highway	Yes	Shot-Set 250	Yes	I-70 Sedimentary Rock, Frontier Kemper
Yacambu Project	Venezuela	Water	Yes	Shot-Set 250	Yes	Sheer Zones - Irrigation
Hetch Hetchy	Cit of San Francisco	Water	Yes +	Shot-Set 250	Yes	Major Water Infiltration/Tunnel Repair
San Roque Multipurpose Project	Philippines	Hydro/Irrigation	Yes +	Shot-Set 250	Yes	One of world's largest, 6 months ahead of schedule,
St. Helena	Ecuador	Hydro/Irrigation	Yes +	Shot-Set 250	Yes	Project 3 months ahead of schedule, CNO Odebrecht
San Francisco Project	Banos, Ecuador	Hydro/Irrigation	Yes +	Shot-Set 250	Yes	9 mile Tunnel Repair, 4 complete units, CNO Odebrecht
Railroad Tunnels (100+)	North America	RR Tunnels	Yes	Shot-Set 250	Yes	Difficult Ground - Enlarge, Double Stack, Containers
DUSEL/ Sanford Lab.	Lead, South Dakota	Deep underground Space lab	Yes	Shot-Set 250	Yes	U.S. DOE
Stanford Linear Accelerator	Stanford CA	Accelerator tunnel	Yes +	ST-Alkali Free		Affholder-2008, 1988-Tudor-Saliba and Shotset-250 switched to Wet SC
Super-Collider	Waxahachie	Accelerator tunnel	Yes	Shot-Set 250	Yes	Austin Chalk: Obayashi/ Dillingham, and Gilbert/Shea
South Leg Sewer Rehab	Skokie, IL	6'6" Sewer Tunnel	Yes +	ST-Alkali Free	Yes	Kiewit Powers: Small, wheel mounted robotic arm, 8,800 ft. tunnel
Cal-Tran	CA DOT	Various Tunnels	Yes	Both	Yes	Various RR and Highway Tunnels
Keystone Tunnel	Black Hills, SD	Highway tunnel	Yes +	Shot-Set 250		1st time SFRSC and SF used on Hwy tunnel, Miners Inc.
Midmar Tunnel	Hilton, South Africa	Water	Yes	Shot-Set 250		Water, Odebrecht.
Silver Cliff Tunnel	Duluth, MN	Highway	Yes +	Shot-Set 250	Yes	Frontier Kemper/ JV/ Diabase, Rock
Nathpa Jakhri Project	India	Power Station Remote site	Yes +	Shot-Set 250	Yes	6 Robotic Arms, Remote Himalayas, SNC Lavalin
Loma Larga Tunnel	Monterey, Mexico	Highway Tunnel	Yes +	Shot-Set 250	Yes	La Nacionale, very large diameter Highway tunnels
Cole Park Detention Vaults	Dallas, TX	Flood Control	Yes +	Shot-Set 250	Yes	Austin Chalk: Granite Construction
Spirit Lake, Corp of Engineers	Mt. St. Helens, Oregon	Drainage tunnel	Yes	Shot-Set 250		Gilbert Const: emergency tunnel after eruption of Mt. St. Helens.
Whittier Tunnel, Alaska	Whittier, Alaska	Highway Tunnel	Yes +	Shot-Set 250	Yes	Extreme Weather Conditions, Kiewit
Sea Wall Rehab	Port of St. John, NB	Sea Wall Rehab	Yes +	Shot-Set 250		50 ft. Tides, Shotcrete set within hours
Buckskin Mtn. Tunnel	Lake Havasu	Water Tunnel	Yes	Shot-Set 250		USBR
Brick Storm Water tunnel	Providence, R.I.	Brick Storm Water	Yes +	Shot-Set 250	Yes	Shank, Balfour Beatty
Storm Water System	Mumbai, India	12 + Tunnels - Various Sizes	Yes +	Shot-Set 250	Yes	3 Robotic Arms plus Centrifugal Shotlining -Michigan Engineers
Bad Creek Pump Storage	South Carolina	Hydro Power House	Yes	Shot-Set 250	Yes	Duke Power
Lava Tube	Kona, HI	Flood Control	Yes +	Shot-Set 250	Yes	Bolton Engineering, County of HI
Twin Tunnels, I-70	Colorado	Highway tunnel	Yes +	Shot-Set 250	Yes	Fast Track Tunnel Project
Goldcorp	Patagonia, Argentina	Ore Passes	Yes +			Centrifugally lining multiple ore passes
Master Drilling	Mexico/Peru	Various Tunnels	Yes+	Shot-Set 250		Double Nozzle & Centrifugal Shaftlining of multiple shafts
HW Johnson	Arizona	Rock Stabilization	Yes+		Yes	Robotic Arm
Modesto Irrigation District	California	Water Culvert Rehab	Yes		Yes	Culvert Lining