

Webinar

ULI British Columbia: Ski Resort Planning & Design with Adam Schroyen, Principal at Ecosign (Whistler)

Date: October 13, 2022

00:00:05> 00:00:08:	Hey, good morning, all. Thanks for sticking around in the
00:00:08> 00:00:10:	waiting room for a couple minutes, Sir. As we let
00:00:11> 00:00:13:	people trickle in, I think we're a couple minutes past
00:00:11> 00:00:15:	eight. So I think all of, if you can get
00:00:15> 00:00:18:	us started imminently, let's, let's get her going.
00:00:19> 00:00:23:	Well, thanks, Chris. I appreciate it. Umm, so thank you
00:00:23> 00:00:27:	all for joining us for another edition of coffee and
00:00:27> 00:00:31:	conversations hosted by the Urban Land Institute. My name is
00:00:31> 00:00:35:	Oliver tenant with a ULIBC's young leaders group and I'm
00:00:35> 00:00:38:	joined by my team members, Chris and Randolph. And I
00:00:38> 00:00:42:	would just like to give a special thanks to Shannon
00:00:42> 00:00:46:	and the ULIBC Young leader group for their continued support
00:00:46> 00:00:47:	and guidance.
00:00:48> 00:00:51:	Now for any newcomers joining us this morning, coffee and
00:00:51> 00:00:55:	conversation is you alize monthly early morning speaker event where
00:00:55> 00:00:59:	students and professionals can drop in to meet other like
00:00:59> 00:01:02:	minded colleagues and hear new thoughts and ideas surrounding real
00:01:03> 00:01:06:	estate development. We'll be more moving towards a hybrid style
00:01:06> 00:01:09:	of in person and virtual coffee and conversation events.
00:01:11> 00:01:14:	There are two ULI events I do want to highlight
00:01:15> 00:01:19:	that are upcoming. We'll be having a cocktails and conversation
00:01:19> 00:01:24:	with Roz McQueen of Nicola Wealth on Thursday, October 27th
00:01:24> 00:01:28:	from 5:30 to 7:00 at the Spark office in Yaletown.

00:01:29> 00:01:32:	And then we'll be having a ULI fall happy hour
00:01:32> 00:01:36:	on Thursday, November 3rd at 5:30 at Mahoney's downtown.
	And
00:01:36> 00:01:39:	you can find out about more of these events on
00:01:40> 00:01:41:	the ULIBC website.
00:01:42> 00:01:46:	Now some housekeeping. Please keep your microphones muted.
00:01:47> 00:01:49:	The use of your web camera is optional.
00:01:50> 00:01:53:	There will be a Q&A session towards the end of
00:01:53> 00:01:55:	the talk, so feel free to send a message to
00:01:55> 00:01:59:	myself or send a message to Randolph with any questions
00:01:59> 00:02:02:	you may have for the our speaker today and we'll
00:02:02> 00:02:05:	select them in the order they are received and then
00:02:06> 00:02:09:	unmute you at around 84845 to ask your question.
00:02:10> 00:02:14:	Now As for our speaker, we are very fortunate to
00:02:14> 00:02:18:	have Adam Schroen join us today. Adam is the principal
00:02:19> 00:02:25:	at Echosign Mountain resort planners and international ski resort planning
00:02:25> 00:02:28:	and design firm that's been around since 1975.
00:02:29> 00:02:33:	Echosign has been involved in the creation of of many
00:02:33> 00:02:36:	of BC's greatest hills in communities, some of which include
00:02:36> 00:02:39:	Whistler, Sun Peaks and Revel Stoke.
00:02:39> 00:02:42:	They've also expanded internationally in a big way.
00:02:43> 00:02:46:	And they're part of China's push to develop new winter
00:02:46> 00:02:50:	and four season resorts, starting with the 2022 Olympic Games
00:02:50> 00:02:54:	in Beijing and branching off to other projects like Taiwu
00:02:54> 00:02:59:	International Ski Resort and Genting Secret Garden Resort. And these
00:02:59> 00:03:02:	resorts are massive, some of which will see about 7000
00:03:02> 00:03:03:	skiers a day.
00:03:04> 00:03:08:	Adam joined Echosign and 2007 and with his degree in
00:03:08> 00:03:12:	architecture from the University of Wellington in New Zealand, he
00:03:12> 00:03:15:	brings his knowledge of site and building design to their
00:03:15> 00:03:18:	growing national and international portfolio.
00:03:19> 00:03:23:	Interviewing Adam today will be my colleague Chris Cuno. He's
00:03:23> 00:03:28:	currently a senior consultant of Urban Planning and placemaking at
00:03:28> 00:03:28:	Colliers.
00:03:29> 00:03:31:	Chris and Adam, the floor is yours and thank you
00:03:32> 00:03:33:	everybody for joining.
00:03:34> 00:03:37:	Thanks very much. I'll have thanks for that introduction.

	Really
00:03:37> 00:03:38:	looking forward to the discussion today.
00:03:39> 00:03:42:	Yeah, Adam, thank you so much for joining us. We,
00:03:42> 00:03:45:	we had a really interesting chat before when we were
00:03:45> 00:03:48:	talking about you know, bringing it on to this and
00:03:48> 00:03:51:	and also a brief but short and interesting chat this
00:03:51> 00:03:55:	morning. So yeah, Oliver spoke a bit more about echosign
00:03:55> 00:03:57:	and and what the firm does, but like can you
00:03:57> 00:04:00:	go in a bit more detail about you know what
00:04:00> 00:04:03:	the firm is, what it's kind of key principles are
00:04:03> 00:04:04:	and what you do there?
00:04:05> 00:04:09:	Yeah, sure. Right. So I've been working for Eco Sign
00:04:09> 00:04:13:	Resort mountain planners since 2007, so 15 years and the
00:04:13> 00:04:18:	the founder, principal Paul Matthew started in the mid 70s.
00:04:18> 00:04:22:	Since then he's we've been involved in 500 plus master
00:04:22> 00:04:26:	plans around the world. He's really made a name for
00:04:26> 00:04:28:	himself across the industry.
00:04:29> 00:04:34:	And are working in north-south America, Asia, Russia,
	Eastern Europe
00:04:34> 00:04:37:	and Europe. And so yeah, so we primarily our services
00:04:37> 00:04:42:	include you know assessing the terrain, going to sometimes completely
00:04:42> 00:04:46:	new sites that haven't got any development at all. Paul's
00:04:46> 00:04:51:	flown so many different countries via helicopter just looking out
00:04:51> 00:04:55:	the window and trying to assess all the different mountain
00:04:55> 00:04:59:	ranges for the best location to develop the ski resort
00:04:59> 00:04:59:	and so.
00:04:59> 00:05:02:	You know there's been a lot of new projects that
00:05:03> 00:05:06:	way but we also look at existing ski resorts and
00:05:06> 00:05:10:	their expansion plans have been involved in Whistler Black Homes,
00:05:10> 00:05:13:	Mount Future, future master plans for for a long period
00:05:13> 00:05:16:	of time. And so I'm just looking out what's the
00:05:16> 00:05:19:	next plans for 1020 years into the future. But we
00:05:19> 00:05:23:	we don't just do ski ski resort design. Our company
00:05:23> 00:05:26:	has been you know looking at expanding that over the
00:05:26> 00:05:29:	last many years. You know skiing is just one component
00:05:29> 00:05:31:	of a mountain resort.
00:05:31> 00:05:34:	Um, of course in the winter for this it's primary
00:05:34> 00:05:37:	goal, but throughout the rest of the year it's really
00:05:37> 00:05:41:	important that they develop other activities to keep their visitation

00:05:41> 00:05:45: 00:05:45> 00:05:49:	going throughout the year. So we look, we, we designed golf courses, golf course Resorts, Mountain Biking's been a
	big
00:05:49> 00:05:52:	thing through the summer and it's a really good use
00:05:52> 00:05:55:	of the ski infrastructure. You can reuse that in summer.
00:05:55> 00:05:58:	And so, yeah, so we, we get into all types
00:05:58> 00:06:01:	of different recreational planning and expanding.
00:06:01> 00:06:02:	Services that way.
00:06:03> 00:06:04:	Yeah.
00:06:05> 00:06:08:	Umm, so you have an architecture degree from the University
00:06:08> 00:06:11:	of Washington, and you know from the accent and everything
00:06:11> 00:06:13:	else, you know your your Kiwi. So how do you
00:06:13> 00:06:16:	find yourself working at a firm in Whistler? What? What
00:06:16> 00:06:16:	happened there?
00:06:17> 00:06:20:	Well, yeah, I think it is a pretty common story
00:06:20> 00:06:23:	for people that end up in Whistler and that's you
00:06:23> 00:06:25:	come out here just as a as a ski bum
00:06:25> 00:06:28:	to enjoy the powder and you just want to get
00:06:28> 00:06:32:	away from everything. So I'm halfway through my architecture degree.
00:06:32> 00:06:34:	I took a year out, came out to Whistler and
00:06:34> 00:06:37:	yeah, it was just a ski bum for a few
00:06:37> 00:06:39:	for a couple seasons. You know, have a bit of
00:06:39> 00:06:42:	a reset from all the stresses of of getting an
00:06:42> 00:06:46:	architecture degree. Went back, did a few more years, completed
00:06:46> 00:06:47:	my degree and then I worked.
00:06:47> 00:06:51:	And a small firm in Wellington that was an architecture
00:06:51> 00:06:56:	firm designing primarily educational projects and sort of campus planning.
00:06:56> 00:06:59:	And that was my introduction into, you know, not just
00:06:59> 00:07:04:	architecture, but the spaces between the architecture, you know, how
00:07:04> 00:07:08:	people move between buildings and circulation. And there's actually a
00:07:08> 00:07:12:	lot of similarities with schools and campuses to resort villages.
00:07:13> 00:07:16:	Everyone's kind of on foot and you want to make
00:07:16> 00:07:18:	sure that you can see where you're going.
00:07:19> 00:07:22:	You, you plan gathering areas and things like that. So
00:07:22> 00:07:26:	that was a little introduction to that side of things
00:07:26> 00:07:26:	but.
00:07:27> 00:07:29:	After a few years there, I had to draw to

00:07:29> 00:07:32:	come back to Whistler and I I redid the ski
00:07:32> 00:07:35:	bum thing for one season. But then I knew I
00:07:35> 00:07:37:	had to get a little serious and I kind of
00:07:37> 00:07:41:	just got lucky. Echosign was hiring an entry level position
00:07:41> 00:07:43:	and so I sort of looked at what they did
00:07:43> 00:07:46:	and it just sounded great. And I didn't even know
00:07:46> 00:07:49:	that was a thing, probably like many of the people
00:07:49> 00:07:52:	on the call here. So I took the opportunity and
00:07:52> 00:07:55:	I started at the bottom. Really. I was a 3D
00:07:55> 00:07:57:	visualization technician helping out.
00:07:57> 00:08:00:	With the rendering and that kind of thing, but with
00:08:00> 00:08:03:	my background and everything, I was able to just put
00:08:04> 00:08:06:	my head down and work and learn, just absorb all
00:08:07> 00:08:11:	this information from everyone. There's this. There's not
	really a
00:08:11> 00:08:14:	typical educational path for ski resort design as you can
00:08:14> 00:08:18:	imagine. So it's really, it's really just important to absorb
00:08:18> 00:08:22:	the information from the experts who have learned over
00:08:22> 00:08:25:	many years as well and working with Paul and some
00:08:25> 00:08:27:	of the other colleagues at the office.
00:08:28> 00:08:30:	I was just yeah, able to move up and I
00:08:30> 00:08:34:	recently became principal and and shareholder of the company. So
00:08:34> 00:08:37:	that's kind of how it's all coming to pass.
00:08:38> 00:08:41:	From from tech to tech to principal and part owner,
00:08:41> 00:08:43:	that's that's a big rise to the ranks.
00:08:46> 00:08:49:	So of your work at Echosign, understanding is that the
00:08:49> 00:08:52:	market you work most in now is is Asia and
00:08:52> 00:08:56:	particularly in emerging ski markets in China, Central Asia. How
00:08:56> 00:09:00:	did you find yourself in this world, at least in
00:09:00> 00:09:02:	Asia? How do you become an expert in this, in
00:09:03> 00:09:03:	this field?
00:09:04> 00:09:09:	Yeah. So I think, you know, frankly just going there
00:09:09> 00:09:09:	a lot.
00:09:11> 00:09:14:	I started going there maybe in 2010 and you know,
00:09:14> 00:09:17:	the sort of the sort of joke is that, you
00:09:17> 00:09:20:	know, send the young lovers out to to these kind
00:09:20> 00:09:23:	of places because often it's a lot of like meeting
00:09:23> 00:09:27:	people and there's a lot of like frankly just drinking
00:09:27> 00:09:31:	and socializing with all these all these developers and government
00:09:31> 00:09:35:	officials and everything. So it's a, it's a, it's a

00:09:35> 00:09:38:	very exhausting kind of trip to do and and so
00:09:38> 00:09:41:	they send out the young, the young guys at the
00:09:41> 00:09:41:	time.
00:09:41> 00:09:44:	I was younger and just to sort of survive those
00:09:45> 00:09:47:	traps and so I just went out and over 10
00:09:48> 00:09:51:	years just got three or four times a year. I
00:09:51> 00:09:55:	would travel around and see all these other ski resorts,
00:09:55> 00:09:59:	see what's running, see what's working well and you know
00:09:59> 00:10:03:	it's quite early in there in their industry. So these
00:10:03> 00:10:06:	skiers were very basic, but we have a lot of,
00:10:06> 00:10:11:	we have a lot of methodologies and and experience working
00:10:11> 00:10:11:	on all.
00:10:11> 00:10:14:	All places of the world. So we're able to apply
00:10:14> 00:10:17:	that to to a country like China and then tweak
00:10:18> 00:10:21:	the numbers based on what we are experiencing there. And
00:10:21> 00:10:25:	we have really good partnership and representative in China that
00:10:26> 00:10:29:	helps with all the bureaucratic side of things. So we
00:10:29> 00:10:32:	can just focus on the design part and then we
00:10:32> 00:10:36:	can task him with getting getting metrics and data from
00:10:36> 00:10:38:	all the ski areas. So we put that all in
00:10:38> 00:10:41:	and generate our own set of standards and.
00:10:41> 00:10:43:	And principles for working within China.
00:10:45> 00:10:48:	That's OK. So speak not maybe not speaking directly to
00:10:48> 00:10:51:	that one, but speaking to, you know, other projects you've
00:10:51> 00:10:54:	undertaken. Some of them are definitely interesting. And when you
00:10:54> 00:10:57:	and I were chatting, you definitely had some interesting stories.
00:10:57> 00:10:59:	So could you tell us, you know, one or two
00:10:59> 00:11:02:	stories or interesting experiences working abroad? I I just think
00:11:02> 00:11:05:	I remember you mentioning something along lines of meeting a
00:11:05> 00:11:08:	military general and a senior politician to make sure interpret
00:11:08> 00:11:10:	you as a spy, something of the sort.
00:11:12> 00:11:15:	Well, yeah, we, we've traveled to, yeah, to all these
00:11:15> 00:11:19:	different places and often you're meeting all, all, all types
00:11:19> 00:11:23:	of levels of government. And so usually it's unprepared. So
00:11:23> 00:11:26:	you really have to get good at just leaving your
00:11:26> 00:11:29:	hotel in the morning, at in the morning, you know,
00:11:30> 00:11:31:	prepared for any eventuality.
00:11:33> 00:11:35:	I have a, I guess one story is going to

00:11:35> 00:11:39:	Altai Mountains, which is a small region in the northwest
00:11:39> 00:11:42:	of China between there's a part of the country between
00:11:42> 00:11:46:	Mongolia and Kazakhstan and Russia, actually a little wedge
	there.
00:11:46> 00:11:49:	And the client picked us up, you know, in the
00:11:49> 00:11:52:	morning and what felt like a pretty decent truck. It
00:11:52> 00:11:56:	was a Toyota Tundra or something and just thinking that
00:11:56> 00:11:58:	we're just going to do a quick trip a little
00:11:59> 00:12:01:	bit up into the mountains. But it was a nice
00:12:01> 00:12:02:	sunny day, so.
00:12:03> 00:12:06:	You know, we started off and then, uh, pretty quickly
00:12:06> 00:12:08:	the road just started getting rougher and rougher and the
00:12:08> 00:12:11:	snow started to fall and all the other people in
00:12:11> 00:12:13:	the in the vehicle, the clients were just, they didn't
00:12:13> 00:12:16:	have any equipment really. They were in dress shoes and
00:12:16> 00:12:18:	no gloves and no hat or anything like that.
00:12:19> 00:12:23:	And eventually the truck just got absolutely stuck and we
00:12:23> 00:12:27:	were probably at about 1500 metres elevation at that point.
00:12:28> 00:12:31:	Completely. It wasn't going to go anywhere. So actually I
00:12:31> 00:12:32:	have a photo of this, but.
00:12:34> 00:12:37:	So one of the, one of the
00:12:37> 00:12:40:	gentlemen disappeared over the hill into the snow with his
00:12:40> 00:12:43:	dress shoes on and came back with this this big
00:12:43> 00:12:45:	front loader thing to try to tell us out. I
00:12:45> 00:12:49:	don't know where they stored this thing. He wasn't going
00:12:49> 00:12:51:	for that long. He just happens to know where it
00:12:51> 00:12:54:	was. And so he tried to pull this this truck
00:12:54> 00:12:57:	out but it wasn't going anywhere. So you know, rather
00:12:57> 00:13:00:	than turn around, we just all jumped onto this front
00:13:00> 00:13:03:	loader, all five of us hanging off the side and
00:13:03> 00:13:04:	continued up the mountain.
00:13:04> 00:13:08:	Out for another couple of hours and again it just
00:13:08> 00:13:12:	started getting muddier and muddier and snowier and snowier until
00:13:12> 00:13:16:	this vehicle got stuck. Completely stuck. It was buried up
00:13:16> 00:13:18:	to its axle and mud.
00:13:19> 00:13:22:	And I'm getting a little concerned because I'm the only
00:13:22> 00:13:25:	one that has actual suitable equipment, like a puffer in
00:13:25> 00:13:27:	your head and all that kind of stuff.
00:13:28> 00:13:30:	But sure enough, the gentleman disappeared off over the hill
00:13:30> 00:13:32:	again and came back with a snowmobile.
00:13:33> 00:13:36:	Again, it was just been a bunch of snowmobiles buried

00:13:36> 00:13:38:	under the snow under a tarp and shuttled us to
00:13:38> 00:13:41:	a group of snowmobiles and we headed off up the
00:13:41> 00:13:43:	mountain for another hour or two.
00:13:44> 00:13:47:	I can't believe these people are riding the snowmobiles
	without
00:13:47> 00:13:50:	gloves. Pretty Hardy. You can see this guy here, he
00:13:50> 00:13:53:	doesn't have anything on and we get to the final,
00:13:53> 00:13:56:	we get to the top and it's complete whiteout, so
00:13:56> 00:13:58:	you can't see a thing. So it's been four or
00:13:58> 00:14:02:	five hours of trip and absolutely pointless. So we turned
00:14:02> 00:14:05:	around and repeated that whole exercise, managed to get home
00:14:05> 00:14:08:	and called it a day but you know for a
00:14:08> 00:14:10:	long trip to get to that location and then not
00:14:10> 00:14:14:	even see anything as and go through that whole experience.
00:14:14> 00:14:15:	That happens.
00:14:17> 00:14:20:	And then another this is another trip that I took
00:14:20> 00:14:23:	in Canton Chuka, which is a peninsula.
00:14:24> 00:14:27:	Russia on the Far East coast, it's what Sarah Palin
00:14:28> 00:14:31:	would probably say that she could see when she looks
00:14:31> 00:14:34:	out her window and Alaska. So it's like pretty close
00:14:34> 00:14:37:	to Canada but you have to fly a very long
00:14:37> 00:14:40:	way to get there and it's just a stunning area.
00:14:40> 00:14:43:	It's got filled with volcanoes. It's by the coast. You
00:14:43> 00:14:47:	can actually there's a little bit of ocean just sticking
00:14:47> 00:14:50:	out here and so we traveled by helicopter to just
00:14:50> 00:14:53:	view it all these all these volcanoes which they heliski
00:14:53> 00:14:54:	on. So it's just.
00:14:54> 00:14:58:	Fantastic terrain. All of this is just beautiful skiing. You
00:14:59> 00:15:02:	have to have decent ski guides because you know, it's
00:15:02> 00:15:05:	a bit of an avalanche risk, but just just a
00:15:05> 00:15:07:	really beautiful zone.
00:15:08> 00:15:11:	And then you know the conversation as as we went
00:15:11> 00:15:14:	on I was talking about if there was any surf
00:15:14> 00:15:17:	over at the coast and it just so happened that
00:15:17> 00:15:20:	the operator had he ran a little surf club here
00:15:20> 00:15:23:	so he dropped me off. You can see the volcanoes
00:15:23> 00:15:26:	and the distance here. So it just dropped me off
00:15:27> 00:15:29:	and they had they had equipment for me and I
00:15:29> 00:15:33:	went out surfing on the coast of Kinchaku. So that
00:15:33> 00:15:34:	was a pretty amazing day.
00:15:35> 00:15:38:	And then a week later there's I don't know if
00:15:38> 00:15:41:	anyone was reading the news a couple years ago, but

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00:15:41 --> 00:15:44:
                          there was a big ecological disaster along the coastline there.
00:15:44 --> 00:15:47:
                          There's some sort of massive algae balloon thing. So I
00:15:47 --> 00:15:49:
                          was right in that zone, and it was great when
00:15:49 --> 00:15:52:
                          I was there, but I'm not really sure what happened
00:15:52 --> 00:15:54:
                          there. But a whole bunch of sea life ended up
00:15:54 --> 00:15:55:
                          on the beach.
00:15:56 --> 00:15:58:
                          So yeah, couple of.
00:15:59 --> 00:16:01:
                          Couple of stories they've planned.
00:16:01 --> 00:16:03:
                          A typical day in the office said.
00:16:03 --> 00:16:04:
                          Exactly.
00:16:06 --> 00:16:08:
                          As I say, Speaking of of, you know, sharing your
00:16:08 --> 00:16:09:
                          screen, I think you had a couple of projects you
00:16:09 --> 00:16:12:
                          wanted to highlight if if they're still in that project
00:16:12 --> 00:16:14:
                          folder. Otherwise I've got some other questions for.
00:16:15 --> 00:16:17:
                          Yeah, sure I can. Yeah. Let me put up a
00:16:17 --> 00:16:18:
                          couple of these ones.
00:16:18 --> 00:16:20:
                          Here I should mentioned before you closed.
00:16:20 --> 00:16:21:
                          lt.
00:16:25 --> 00:16:29:
                          Yeah, so obviously, you know, we made our name working
00:16:29 --> 00:16:33:
                          with, with, with the Black home and we were instrumental
00:16:33 --> 00:16:33:
00:16:34 --> 00:16:36:
                          You see the screen there? Yeah.
00:16:37 --> 00:16:38:
                          I still don't think.
00:16:38 --> 00:16:39:
                          Yeah, sorry, one second.
00:16:41 --> 00:16:41:
                          OK.
00:16:46 --> 00:16:46:
                          Yeah, so.
00:16:48 --> 00:16:51:
                          So Whistler Blackcomb will be worked on the 2010 Winter
00:16:51 --> 00:16:54:
                          Olympics and and our company has worked with quite a
00:16:55 --> 00:16:58:
                          few different Olympic Games throughout. I think the first one
00:16:58 --> 00:17:02:
                          was maybe Calgary 87 or sometime around then 88 I
00:17:02 --> 00:17:03:
                          guess it was.
00:17:04 --> 00:17:08:
                          And then the 2010 Winter Olympics, we did the.
00:17:08 --> 00:17:12:
                          The Nordic facility did some stuff on the downhill going
00:17:12 --> 00:17:15:
                          back and so, you know, we're working on the Winter
00:17:15 --> 00:17:18:
                          Olympics has always been pretty interesting. We, we, we did
00:17:18 --> 00:17:21:
                          the slopestyle courses on the halfpipe and things like that
00:17:22 --> 00:17:24:
                          for the latest Beijing Winter Games.
00:17:24 --> 00:17:26:
                          And before that, in Seoul, we did a bunch of
00:17:26 --> 00:17:27:
                          planning in there as well.
00:17:30 --> 00:17:33:
                          And so here's what a typical master plan kind of
00:17:33 --> 00:17:35:
                          looks like. So this is so we we lay out
00:17:35 --> 00:17:38:
                          the ski trails, the ski lifts and a better land
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00:17:38> 00:17:41:	use planning at the bottom. Often our sites are you
00:17:41> 00:17:45:	know, there's just not a lot of infrastructure already there.
00:17:45> 00:17:48:	There there might be a small mountain village and we
00:17:48> 00:17:53:	certainly have taken inspiration from the mountain villages within Europe.
00:17:53> 00:17:56:	But this place, this is maybe in Russia, I see
00:17:56> 00:17:57:	by the by the.
00:17:59> 00:18:03:	By the language there, Kazakhstan, you know, here's another project
00:18:03> 00:18:06:	where we just moving right up into the high elevation
00:18:06> 00:18:10:	mountains, small resort village on whatever available land you have.
00:18:10> 00:18:14:	It's pretty pretty hard sometimes with these steep steep slopes.
00:18:14> 00:18:17:	So you know really compact design. Getting Rd access up
00:18:17> 00:18:19:	there is always a challenge but you know you can
00:18:19> 00:18:23:	have sometimes of transportation left that brings a lot of
00:18:23> 00:18:23:	people up.
00:18:25> 00:18:27:	And you know design this is kind of a very
00:18:28> 00:18:30:	small village but to give you an example of like
00:18:30> 00:18:33:	the kind of density and and a scale these little
00:18:33> 00:18:37:	Alpine villages integrate fully into the ski trails and that's
00:18:37> 00:18:40:	where we, you know that's where our design comes, that's
00:18:41> 00:18:44:	where our niche really is is given that that interface
00:18:44> 00:18:46:	between the village planning.
00:18:46> 00:18:49:	And the recreation planning were there. In this case, it's
00:18:49> 00:18:51:	ski trails. Make sure that all of that works together
00:18:51> 00:18:52:	really, really well.
00:18:54> 00:18:57:	And sometimes here's an existing resort in Mountain Village
	in
00:18:57> 00:19:00:	Telluride, and these other buildings are infilling and amongst us,
00:19:01> 00:19:02:	so we worked on that project too.
00:19:04> 00:19:04:	Yeah.
00:19:05> 00:19:08:	When you were, you're mentioning that the project in Kazakhstan
00:19:08> 00:19:10:	with quite steep topography and, you know, little area to
00:19:10> 00:19:11:	build a village.
00:19:12> 00:19:13:	How?
00:19:14> 00:19:16:	Are how would our sites chosen often? Is it kind
00:19:16> 00:19:19:	of like grassroots as people? How is skiing and then
00:19:19> 00:19:21:	there's an investor who wants to build a ski resort
00:19:21> 00:19:24:	and that area, how, how generally is that chosen?
00:19:25> 00:19:29:	Yeah, yeah, there's, there's probably a couple. There's a

couple

00:19:29 --> 00:19:32: ways. You know, if a developer owns a section of 00:19:32 --> 00:19:35: land and they're sort of limited by that, but what 00:19:35 --> 00:19:38: what often happens is that they may have picked. 00:19:39 --> 00:19:42: You know the wrong, the wrong mountain peak because they 00:19:42 --> 00:19:45: sort of what what tends to happen is they they 00:19:45 --> 00:19:48: see really steep slopes and you know that's what you 00:19:48 --> 00:19:51: see in all the magazines and the videos and so 00:19:51 --> 00:19:54: you think great like that that's gonna be an incredibly 00:19:54 --> 00:19:57: extreme fantastic resort. But what really is the the money 00:19:57 --> 00:20:00: maker terrain for a ski resort is the novice. The 00:20:00 --> 00:20:04: low intermediate terrain which is flatter and but that's where 00:20:04 --> 00:20:07: the big that's where the majority of skiers exist right. 00:20:07 --> 00:20:09: That's where the biggest market segment. 00:20:09 --> 00:20:10: And so. 00:20:11 --> 00:20:14: You know if we can we'll tell them to increase 00:20:14 --> 00:20:18: their study area and you know that that they they 00:20:18 --> 00:20:22: they might be able to and negotiate with the government 00:20:22 --> 00:20:25: to to to switch to to switch focus points or 00:20:25 --> 00:20:28: or that sort of thing or hired sort of at 00:20:28 --> 00:20:32: a higher level like what Paul's done where there's like 00:20:32 --> 00:20:36: the the tourism part of the the government will 00:20:36 --> 00:20:40: hire us to assess the whole mountain range and identify 00:20:40 --> 00:20:41: particular zones. 00:20:41 --> 00:20:44: It could be really good. So we you know we'll 00:20:44 --> 00:20:48: we'll do first we'll get satellite mapping so we'll source 00:20:48 --> 00:20:51: that and then we'll run through it our analysis to 00:20:52 --> 00:20:54: find out you know we look at all the the 00:20:54 --> 00:20:58: slopes, the solar angles, the aspect analysis and all of 00:20:58 --> 00:21:01: those and we can combine them to find these kind 00:21:01 --> 00:21:05: of like these targets that we like. OK that that's 00:21:05 --> 00:21:08: that area it seems to tick all the boxes not 00:21:08 --> 00:21:11: just the ski train but you also need good. 00:21:11 --> 00:21:14: Reliable land for the for the base area as well 00:21:14 --> 00:21:16: and you need to be able to get there. If 00:21:16 --> 00:21:19: it's like buried way in the mountain range it can 00:21:19 --> 00:21:22: cost you, so it can just be impossible to get 00:21:22 --> 00:21:25: a road there without spending all the money. So you 00:21:25 --> 00:21:28: combine all that things and then he'll go and fly 00:21:28 --> 00:21:31: those targets with a helicopter and you can really see 00:21:31 --> 00:21:34: a lot just, you know, once you're in a helicopter. 00:21:34 --> 00:21:37: So there's a few countries where he's spent. He's spent

00:21:37> 00:21:40:	a long, he's spent days up in a helicopter flying
00:21:40> 00:21:41:	these different zones.
00:21:41> 00:21:42:	Yeah.
00:21:43> 00:21:45:	So you also don't have a fear of heights at
00:21:45> 00:21:45:	this point.
00:21:47> 00:21:49:	Uh, no. But seems to be getting seems to be
00:21:49> 00:21:52:	getting worse. As I get older I sometimes I find
00:21:52> 00:21:55:	myself skiing into some pretty sketchy areas, so I didn't
00:21:55> 00:21:58:	used to be so worried about maybe it's having kids
00:21:58> 00:22:01:	or something that sort of held back a little bit.
00:22:01> 00:22:02:	That seems fair.
00:22:04> 00:22:07:	So, you know in emerging markets or maybe the challenges
00:22:07> 00:22:09:	are here, what's what do you think the some of
00:22:09> 00:22:12:	the biggest challenges you've had to overcome either as in
00:22:12> 00:22:15:	your career or or while working on projects?
00:22:16> 00:22:20:	Yeah, yeah. So, you know, depending on their market, you
00:22:20> 00:22:23:	know, some areas really don't have much of a historical
00:22:23> 00:22:27:	skier ski culture and so you're working with maybe
	developers
00:22:27> 00:22:30:	that, you know, may have not skied at all. And
00:22:31> 00:22:34:	so there's just a lot of education that has to
00:22:34> 00:22:37:	happen. You know, we have all these kind of principles
00:22:37> 00:22:40:	and the company. And so when we're laying out these
00:22:41> 00:22:44:	villages and real estate and things like that, it might
00:22:44> 00:22:46:	be we need to educate the clients.
00:22:46> 00:22:50:	A lot more improved just to approve out what we're
00:22:50> 00:22:52:	doing there and to give you some examples.
00:22:53> 00:22:56:	You know, and often a big one is, is zoning
00:22:56> 00:23:00:	things, zoning development right around the ski terrain, ski lifts
00:23:01> 00:23:03:	and the bottom of the ski trails to be a
00:23:03> 00:23:07:	hotbed model. So you know, whether it's whether those units
00:23:07> 00:23:11:	are sold privately, that's fine. But they have to have
00:23:11> 00:23:14:	a covenant on them that ensures that when the owners
00:23:14> 00:23:18:	aren't using the units that they're put into a rental
00:23:18> 00:23:21:	pool. And so that, you know, so it's just so
00:23:21> 00:23:23:	incredibly important that that's done.
00:23:23> 00:23:26:	Because Whistler does a really good job of it if
00:23:26> 00:23:28:	you come here, you know, peak season.
00:23:29> 00:23:33:	The village is just absolutely buzzing with people and all
00:23:33> 00:23:36:	the units and that main core area are full and
00:23:36> 00:23:39:	it just gives the village such a lively feel and
00:23:40> 00:23:43:	it keeps the commercial space going and it but you

00:23:43> 00:23:46:	go into other places and actually have to you know
00:23:46> 00:23:50:	mention in the states they they can't really put those
00:23:50> 00:23:53:	covenants on properties at all. And So what happens in
00:23:54> 00:23:57:	some of these really great ski resorts is these units
00:23:57> 00:24:00:	that are right there in the middle of.
00:24:00> 00:24:02:	The village St area and right on the snow front,
00:24:02> 00:24:05:	the assault and those people use them two weeks a
00:24:05> 00:24:07:	season and the rest of the time they're empty. And
00:24:07> 00:24:10:	so it's really hard to get that vibrancy and get
00:24:10> 00:24:13:	that action. And that's what really attracts people to these
00:24:13> 00:24:16:	spaces, you know, and there's you go to Whistler and
00:24:16> 00:24:19:	there's just tons of people walking through the street and
00:24:19> 00:24:22:	people just come for that experience. They're not even, they're
00:24:22> 00:24:25:	not even skiing now. They're just coming up for the
00:24:25> 00:24:28:	whole resort, you know, being in nature, being in this
00:24:28> 00:24:30:	mountain village, that kind of experience, so.
00:24:31> 00:24:33:	One thing we in order to get that sort of
00:24:33> 00:24:36:	if if we're if we're struggling with the client and
00:24:36> 00:24:39:	they're not sort of applying these kind of like really
00:24:39> 00:24:43:	key principles then we'll bring them to Whistler. So we'll
00:24:43> 00:24:46:	you know we'll bring them out and with their with
00:24:46> 00:24:48:	their group and we'll do a tour with solar. We'll
00:24:49> 00:24:52:	walk them through and we'll point out all these elements
00:24:52> 00:24:55:	that are working really well and we take them to
00:24:55> 00:24:57:	sun peaks usually as well because the sun peaks is
00:24:58> 00:25:00:	a it's it's a perfect example of ecoscience.
00:25:00> 00:25:03:	Plan we, we we took the full master plan and
00:25:03> 00:25:06:	it's built very close to to our our original vision
00:25:06> 00:25:08:	and so and the scale is a lot better you
00:25:08> 00:25:11:	know Whistler is one of the largest ski resorts in
00:25:11> 00:25:13:	the world so it's kind of unfair to show that
00:25:13> 00:25:16:	to and it's one of the most successful. So it's
00:25:16> 00:25:18:	you know you get that side of it but then
00:25:18> 00:25:21:	go into Sun Peaks is really really useful because the
00:25:21> 00:25:24:	scale is just a bit more manageable and they can
00:25:24> 00:25:27:	see how that operates and it's it's there's a lot
00:25:27> 00:25:30:	of similar principles there so bringing them out you can
00:25:30> 00:25:31:	actually see.
00:25:31> 00:25:34:	The light bulb go on in the head, they really
00:25:34> 00:25:37:	get it after that and that's that's proven to be
00:25:37> 00:25:41:	a really good strategy to bring their project to continue

00:25:41> 00:25:42:	it on forward.
00:25:44> 00:25:46:	I'm just curious is that was that covenant kind of
00:25:46> 00:25:49:	founded in Whistler and then kind of starting to be
00:25:49> 00:25:51:	applied elsewhere now or do you happen to?
00:25:51> 00:25:54:	Know the history I don't know the history of it
00:25:54> 00:25:58:	but it's it really works really well. I'm sure it
00:25:58> 00:26:01:	exists elsewhere in the world and and other places
00:26:01> 00:26:05:	it it's it's not that difficult to implement but in
00:26:05> 00:26:08:	in places like the states it's just we have been
00:26:08> 00:26:11:	trying to do that and and they get it too.
00:26:11> 00:26:13:	They do understand but it's just.
00:26:14> 00:26:17:	It's just for whatever reason, legally they're not, they're not
00:26:17> 00:26:19:	able to do it and the market really doesn't seem
00:26:19> 00:26:22:	to. The people there, they want to own their place,
00:26:22> 00:26:24:	they don't want to, they don't want to rent it
00:26:25> 00:26:27:	out and you can't, you just can't force them through
00:26:27> 00:26:30:	covenant steps for some reason. So it's a shame because
00:26:30> 00:26:33:	yeah, like I said, somebody's family is really great resource.
00:26:35> 00:26:38:	Just it's really challenged to keep them running through the
00:26:38> 00:26:40:	through the offseason and keep staff there and keep the
00:26:40> 00:26:42:	commercial space open and things like that.
00:26:43> 00:26:45:	How, how important is staff housing in in kind of
00:26:46> 00:26:49:	designing and planning these communities? I know like what's there's
00:26:49> 00:26:52:	got always you know, a shortage of staff housing. That's
00:26:52> 00:26:56:	always been a constant discussion. But for the smaller resorts
00:26:56> 00:26:58:	is that is much of a need, is there kind
00:26:58> 00:27:00:	of enough staffing at all these places or is that
00:27:00> 00:27:01:	also a challenge?
00:27:02> 00:27:04:	Yeah, it's it's definitely a challenge.
00:27:05> 00:27:08:	Um, you know, for developer, it's kind of the least.
00:27:09> 00:27:11:	Desirable thing. They want to build, they want to build
00:27:11> 00:27:14:	the, you know, the more valuable real estate and sell
00:27:14> 00:27:17:	that. So you know, they they do understand. Obviously you
00:27:17> 00:27:20:	need to have staff to operate your resort, otherwise there's
00:27:20> 00:27:22:	nothing there at all. But it is.
00:27:23> 00:27:27:	
	I'm sorry, it's something popped up, but there is, there
00:27:27> 00:27:29:	I'm sorry, it's something popped up, but there is, there is ways. You know, we we do, we do plan
00:27:27> 00:27:29:	is ways. You know, we we do, we do plan

00:27:40> 00:27:43:	most valuable land is and it all depends on the
00:27:43> 00:27:46:	location of the resort. Maybe if it's not that far
00:27:46> 00:27:49:	from a town hub or a city, you know, then
00:27:49> 00:27:53:	people are just coming in from there getting shuttled in.
00:27:53> 00:27:56:	You know, some of the local mountains and in Whistler
00:27:56> 00:27:59:	graphs and Cyprus and things, I'm sure all their stuff
00:27:59> 00:28:02:	is just coming in off site by the vehicle or
00:28:02> 00:28:05:	or shuttle bus or something like that. So that can
00:28:05> 00:28:08:	that can be how it works too in China. There.
00:28:08> 00:28:11:	Yeah they'll just, they'll just build, build you know, cheap
00:28:11> 00:28:14:	cheaper housing for everybody. But to that, to that end,
00:28:14> 00:28:18:	actually another thing that Whistler is doing really, really well
00:28:18> 00:28:22:	because they have this, it's called the Whistler Housing Authority
00:28:22> 00:28:23:	and they implement.
00:28:23> 00:28:27:	Or they ensure that every developer has to have a
00:28:27> 00:28:31:	certain amount of their housing built for this this pool
00:28:31> 00:28:33:	of affordable housing.
00:28:34> 00:28:37:	And I I'm living in one, actually right now. So
00:28:37> 00:28:39:	that you have to be, you have to be an
00:28:39> 00:28:42:	employee of Whistler. And I'm sorry, you have to be
00:28:42> 00:28:43:	employed in Whistler.
00:28:44> 00:28:46:	And as long as that you meet that requirement, then
00:28:46> 00:28:49:	you can buy into these more affordable housing and maybe
00:28:49> 00:28:52:	they're great. You know they, they can be townhouses. You
00:28:52> 00:28:55:	know they've got the full range of single family housing
00:28:55> 00:28:58:	within their inventory. There's a long list. But right now
00:28:58> 00:29:01:	if you had to buy into the general market housing
00:29:01> 00:29:04:	if you're, if you're not a millionaire you know if
00:29:04> 00:29:07:	you're not independently wealthy it's just not an option so
00:29:07> 00:29:09:	for people that are working here.
00:29:10> 00:29:11:	It's a life saver really.
00:29:13> 00:29:14:	Yeah.
00:29:14> 00:29:17:	One final question before we get to some Q&A.
00:29:19> 00:29:22:	If you can kind of choose one thing, what's the
00:29:22> 00:29:25:	most interesting thing you've worked on? What's the most the
00:29:25> 00:29:28:	coolest experience you've ever had in your in your career
00:29:28> 00:29:30:	at echosign, you could choose one.
00:29:33> 00:29:37:	Well, yeah. So in in China it's really interesting because
00:29:37> 00:29:40:	things you know as a designer of these you know
00:29:40> 00:29:43:	quite big master plans, China's a place that actually you
00:29:44> 00:29:47:	can see things belt within a very short period of

00:29:47> 00:29:50:	time and then you can go there. One project that
00:29:50> 00:29:52:	we worked on it was it was one year of
00:29:52> 00:29:56:	planning and two years of construction and then it was
00:29:56> 00:29:59:	open and operating. And so we went there and we
00:29:59> 00:30:02:	can stay at stay in these hotels that we helped
00:30:02> 00:30:03:	design.
00:30:03> 00:30:06:	You know right there on the snow front so that
00:30:06> 00:30:09:	that's pretty magical to be able to you know, after
00:30:09> 00:30:12:	all that time planning it, you can go and stay
00:30:12> 00:30:15:	in in this hotel. But I do have the other.
00:30:15> 00:30:17:	The other example, if I can do too was this
00:30:17> 00:30:21:	self Britannia project, which is just down the highway here
00:30:21> 00:30:23:	between Squamish and Vancouver.
00:30:24> 00:30:27:	That was pretty near and dear to my heart because
00:30:27> 00:30:31:	it's a it's a real estate development, but it is
00:30:31> 00:30:34:	anchored centrally by a a wave per park. So there's
00:30:34> 00:30:38:	this new and I'll show a picture because it's kind
00:30:38> 00:30:40:	of the best way to explain it.
00:30:44> 00:30:45:	So this one here.
00:30:50> 00:30:51:	Yeah, so.
00:30:52> 00:30:55:	You know, this is on the sea to Sky Highway.
00:30:55> 00:30:57:	This is the highway coming down. I don't know if
00:30:58> 00:31:01:	people know this area very well, but, but Britannia, the
00:31:01> 00:31:04:	mind museum and everything is just just off the page
00:31:04> 00:31:07:	here. But there's a plan here for 1000 units and
00:31:07> 00:31:10:	then it's centrally the central anchor is this, this dynamic
00:31:10> 00:31:14:	wave park, which is pretty new technology. It's only sort
00:31:14> 00:31:17:	of coming on in the last three or four years.
00:31:17> 00:31:20:	There's a few constructed around the world. This would be
00:31:20> 00:31:22:	the first in Canada and it's really.
00:31:22> 00:31:25:	Deciding. I grew up surfing, you know, I love skiing
00:31:25> 00:31:28:	and everything of course, but to bring surfing into the
00:31:28> 00:31:32:	mountains is just a combination of all sorts of passions
00:31:32> 00:31:34:	of mine. I travel, you know, far to go surfing.
00:31:34> 00:31:38:	So having something like this in the backyard and being
00:31:38> 00:31:40:	able to get my kids in it to to learn
00:31:40> 00:31:43:	to surf just here would just be incredible. And the
00:31:43> 00:31:46:	the technology is just really exciting. It's the most sort
00:31:46> 00:31:49:	of closest to ocean surfing that you can get. They're
00:31:49> 00:31:51:	really breaking waves and.
00:31:53> 00:31:56:	Yeah, so there's a commercial village and as part of
00:31:56> 00:31:59:	this plan as well and other recreational uses as pump

00:31:59> 00:32:02:	tracks and skate parks and things like that, but.
00:32:03> 00:32:06:	Yeah, it's, it's going through the permitting process right now.
00:32:06> 00:32:10:	It's passed, it passed the first reading with unanimous support
00:32:10> 00:32:12:	and it's going into the second reading and I think
00:32:12> 00:32:16:	there's some modifications, but generally the overall vision
	seems to
00:32:16> 00:32:16:	be.
00:32:17> 00:32:21:	Still intact, as long as they work through some other
00:32:21> 00:32:25:	particular issues, then she'd keep going. So I'm excited about
00:32:25> 00:32:25:	this one.
00:32:27> 00:32:28:	That's super exciting.
00:32:29> 00:32:32:	On that, I think we've got some questions from the
00:32:32> 00:32:35:	audience. So, um, an interest of time maybe we all
00:32:35> 00:32:38:	run off. We kind of start being the gatekeepers a
00:32:38> 00:32:41:	lot. Adam, thank you so much by the way.
00:32:44> 00:32:45:	Yeah, of course.
00:32:45> 00:32:48:	You bet, Chris. No problem at all. We did get
00:32:48> 00:32:50:	a question from Kelly that came in just at the
00:32:50> 00:32:53:	chat. So I'm just going to unmute her and Kelly,
00:32:53> 00:32:54:	you can ask a question.
00:32:58> 00:33:02:	Hi, wasn't expecting though to be on mute, but my
00:33:02> 00:33:05:	question is if you can share some of the the
00:33:05> 00:33:09:	the the design process such as terrain selection or rezoning
00:33:09> 00:33:12:	this is maybe if you can share maybe one or
00:33:12> 00:33:16:	two location that you remember in Sequoia memorable?
00:33:18> 00:33:18:	Hmm.
00:33:20> 00:33:25:	Yeah, yeah. So yeah, site selection, you know, critically important.
00:33:25> 00:33:28:	You have to find a site that really meets because
00:33:28> 00:33:31:	you're dealing with the natural.
00:33:31> 00:33:35:	You know, natural climate and things you have to really
00:33:35> 00:33:39:	work around what's what's there. And so, you know, we
00:33:39> 00:33:42:	do a lot of assessment of the site, we look
00:33:42> 00:33:45:	at the the aspect of the slope avalanche, you know,
00:33:45> 00:33:49:	threats and things like that and we'll map that all
00:33:49> 00:33:52:	out and then we identify what's suitable. So we'll draw
00:33:53> 00:33:56:	out you know, all the all the terrain that would
00:33:56> 00:33:59:	be suitable for the skiing and then all the terrain
00:33:59> 00:34:02:	that's suitable for for the base.
00:34:02> 00:34:06:	Area for the for the, Steve, villages and real estate
00:34:06> 00:34:09:	and then before we go too far, we'll take that
00:34:09> 00:34:13:	suitability and assess it in terms of the balance for

00:34:13> 00:34:18:	the different ski levels. So in different countries there is
00:34:18> 00:34:22:	a different split according to skier ability.
00:34:22> 00:34:27:	So in North America and Europe, you know steerability
	skews
00:34:27> 00:34:32:	more to the advanced, higher intermediate and expert and
	then
00:34:32> 00:34:32:	in.
00:34:34> 00:34:37:	And then in other other regions like China and elsewhere,
00:34:37> 00:34:40:	it's a more of an emerging market and it skews
00:34:40> 00:34:44:	towards the beginner, beginner skills. So it's really important that
00:34:44> 00:34:47:	even at that early stage we're seeing you know, what
00:34:47> 00:34:50:	would be the overall balance on the terrain and then
00:34:50> 00:34:53:	make sure that that matches what the skier ability level
00:34:53> 00:34:56:	in that country is because you don't want to just
00:34:56> 00:34:59:	develop a mountain that has 80% advanced terrain and no
00:34:59> 00:35:02:	one's going to be able to ski and you're spending
00:35:02> 00:35:03:	a lot of money.
00:35:03> 00:35:05:	To develop it and just just gonna be going to
00:35:05> 00:35:07:	be totally underutilized.
00:35:08> 00:35:12:	So you know that's really important as far as the
00:35:12> 00:35:15:	like the zoning and everything goes, you know we do
00:35:15> 00:35:20:	work with sometimes local consultants to help us through that.
00:35:20> 00:35:24:	But really at master plan level we we specify what
00:35:24> 00:35:27:	is best for the project and then we give that
00:35:27> 00:35:30:	to them and it's up to them to take that
00:35:30> 00:35:34:	and go through the next stages of rezoning and everything.
00:35:34> 00:35:37:	So we want to give them what you know we
00:35:37> 00:35:38:	want to show.
00:35:39> 00:35:41:	What their site is best capable of and and show
00:35:41> 00:35:44:	them fully what what it could be given. You
00:35:44> 00:35:47:	know given every everything that they can do so and
00:35:47> 00:35:50:	it's up to them to try to do the hard
00:35:50> 00:35:53:	work and and go through all that process. So fortunately
00:35:53> 00:35:56:	that doesn't bog us down too much because that can
00:35:56> 00:36:00:	take many years and working in different countries that just
00:36:00> 00:36:03:	requires people on the ground there to know their local
00:36:03> 00:36:05:	bureaucracy to go through it. Yeah.
00:36:07> 00:36:11:	Thanks for your question, Kelly. Appreciate it. We got another
00:36:11> 00:36:14:	question that came in from Dugon. It says on the
00:36:14> 00:36:18:	screen here. I'm just going to unmute you and you

00:36:20 -> 00:36:24: Hey there and Dugan from Smith and Anderson. Hi Adam. 00:36:27 -> 00:36:27: or how ecosystems processes have changed in the last maybe 00:36:31 -> 00:36:35: say decade as climate change is becoming more relevant for the winter seasons and and maybe how you factor in artificial snow making into your consulting advice? 00:36:39 -> 00:36:42: drifticial snow making into your consulting advice? 10:36:47 -> 00:36:50: drifticial snow making into your consulting advice? 10:36:47 -> 00:36:55: do go into the mountains and recreate. So we, we definitely are highly, we consider this very strongly. And so we have developed some new assessment techniques of the terrain. 10:37:02 -> 00:37:02: definitely are highly, we consider this very strongly. And so we have developed some new assessment techniques of the terrain. 10:37:03 -> 00:37:13: really important that whatever we design also is on the mountains and recreate. So we, we definitely are highly, we consider this very strongly. And so we have developed some new assessment techniques of the terrain. 10:37:02 -> 00:37:02: definitely are highly, we consider this very strongly. And so we have developed some new assessment techniques of the terrain. 10:37:03 -> 00:37:12: really important that whatever we design also is on the mountains and recreate. So we, we definitely are highly, we consider this very strongly. And so we have developed some new assessment techniques of the terrain. 10:37:13 -> 00:37:13: round the support of the terrain. 10:37:14 -> 00:37:15: Dumm, so, you know, aspect is a factor of that, slope is a factor of that and shading and things like that. So we want to make sure that we never develop terrain on, on land that is going to just not hold the snow. So that's that's that's one that's kind of a passive way of looking at it. 10:37:42 -> 00:37:42: And then yeah, certainly snowmaking is super important. Every ski resort out there now has major snowmaking to just you know, sust to just to get a base. 10:37:43 -> 00:37:55: Warm	00:36:18> 00:36:19:	can ask your question.
00:36:24 -> 00:36:27: I'm just curious if you could touch on how your on how ecosystems processes have changed in the last maybe say decade as climate change is becoming more relevant for 00:36:35 -> 00:36:39: the winter seasons and and maybe how you factor in artificial snow making into your consulting advice? Yeah, thanks. Yeah. So certainly climate change is going to affect us all and you know but everybody still wants to go into the mountains and recreate. So we, we definitely are highly, we consider this very strongly. And so we have developed some new assessment techniques of the terrain. 100:37:02 -> 00:37:05: You know when I was talking about the slope and the aspect, we also do solar radiation analysis. So it's really important that whatever we design also is on the most. 100:37:13 -> 00:37:16: Optimal terrain to with with to to hold the snow 100:37:14 -> 00:37:27: like that. So we want to make sure that we never develop terrain on, on land that is going to push and then yeah, certainly snowmaking is super important. Every ski 100:37:42 -> 00:37:45: resort out there now has major snowmaking to just you know, just to just to get a base. 100:37:42 -> 00:37:45: resort out there now has major snowmaking to just you know, just to just to get a base. 100:37:45 -> 00:37:45: resort out there now has major snowmaking to just you know, just to just to get a base. 100:37:50 -> 00:37:50: Warmer periods to just keep their season going super important. 100:37:57 -> 00:38:06: within snowmaking that uses less water, less energy, things like that. And then we can also we use some computer analysis that can project the change of the snow line depending on a certain threshold of temperature increase. And so		•
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	00:38:22> 00:38:23:	we may even.

00:38:23> 00:38:26:	Develop like if we're doing a a ski village location,
00:38:26> 00:38:29:	we'll consider that because you certainly don't want to.
00:38:30> 00:38:33:	Invest in a whole ski village, you know where you
00:38:33> 00:38:35:	think the snow line is and then 10 years from
00:38:35> 00:38:38:	now it's going to be 100 meters further up the
00:38:38> 00:38:40:	mountain. So you know, we can project that and see
00:38:40> 00:38:43:	how it's going to look and keep that in mind
00:38:43> 00:38:46:	going forward. And then you know, the whole mountain recreational
00:38:46> 00:38:49:	experience, you've got to look beyond just skiing. So we
00:38:49> 00:38:52:	get into all sorts of different four season planning and
00:38:52> 00:38:54:	there's a ton of other activities and there's a lot
00:38:55> 00:38:58:	of advancement in those activities. Some of them operate
	year
00:38:58> 00:39:00:	round, so you can run them through the winter as
00:39:00> 00:39:01:	well.
00:39:01> 00:39:05:	And then and then, yeah, looking at offseason and summer
00:39:05> 00:39:09:	and recreational uses as well, so that these places aren't
00:39:09> 00:39:10:	fully dependent on.
00:39:11> 00:39:12:	On skiing, yeah.
00:39:13> 00:39:14:	Thanks.
00:39:16> 00:39:19:	Awesome. That's a great question. Thank you for asking it
00:39:19> 00:39:22:	and thanks for answer. Adam, we have another question that
00:39:22> 00:39:25:	came in from Alex. Alex, I'm going to unmute you
00:39:25> 00:39:26:	and you can ask your question.
00:39:28> 00:39:31:	Hi Adam, Alex here. Thanks for the presentation. I have
00:39:31> 00:39:35:	a question for you about timelines. I understand you work
00:39:35> 00:39:40:	in different countries, but maybe particularly in you know North
00:39:40> 00:39:43:	American market. How long does it take from concept or
00:39:43> 00:39:47:	feasibility study to all the way to completion of the
00:39:47> 00:39:51:	ski resort or the recreation resort? Maybe just describe briefly
00:39:51> 00:39:54:	like what what durations can we look at?
00:39:55> 00:39:57:	Yeah. Thanks for the question.
00:39:58> 00:40:01:	Yeah. And in North America, it's a much longer timeline
00:40:01> 00:40:04:	than it is elsewhere. And you know that's fine. That's
00:40:05> 00:40:07:	really important. Like I do appreciate the.
00:40:08> 00:40:11:	Or the consideration for the different levels it needs to,
00:40:11> 00:40:15:	you know, it needs to go through environmental assessments and
00:40:15> 00:40:18:	and all that sort of thing. So, you know, in
00:40:18> 00:40:22:	North America, especially in the states, there's the forestry
	service

00:40:22> 00:40:25:	there. I think the permitting process just to go through
00:40:25> 00:40:28:	the initial phase with the forestry services.
00:40:29> 00:40:33:	At least two years before that gets approved and then
00:40:33> 00:40:38:	construction, construction can take you know depending on the scale
00:40:38> 00:40:41:	of the project and we we do lots of you
00:40:41> 00:40:44:	know putting in a ski left, just one left can
00:40:44> 00:40:49:	be done within within one summer construction. Right now there's
00:40:49> 00:40:52:	a long delay with the supply chain issues and steel
00:40:52> 00:40:56:	and things like that. So I think the left manufacturers
00:40:57> 00:41:00:	it's, it's it's getting pretty challenging.
00:41:00> 00:41:03:	To to get that through one season, but that was
00:41:03> 00:41:07:	what typically it would take, but a whole ski village,
00:41:07> 00:41:10:	yeah, it can take 510 more years to build that
00:41:10> 00:41:13:	out, but it's all phased. You start small, you start
00:41:13> 00:41:17:	with just the day lodge and a couple of buildings
00:41:17> 00:41:20:	and the parking lots and we do phased plans over
00:41:20> 00:41:24:	ten, 20-30 years that the resort master plan for Whistler
00:41:24> 00:41:27:	Mountain. I think the timeline is a 30 year timeline.
00:41:27> 00:41:30:	So it's not something that they have to do.
00:41:30> 00:41:33:	Right away and they can look at the the full
00:41:33> 00:41:35:	picture and just pick off little projects and and and
00:41:36> 00:41:38:	get and start with those to make it more manageable.
00:41:38> 00:41:41:	But yeah the permitting process here is, is a lot
00:41:41> 00:41:43:	longer and and then you've got you know all sorts
00:41:44> 00:41:46:	of things with crown land and First Nations land and
00:41:46> 00:41:49:	things like that you have to work through so.
00:41:50> 00:41:54:	Sometimes in other countries, it's just not. It's just not
00:41:54> 00:41:57:	as as laborious as it is here, yeah.
00:41:59> 00:42:00:	Thank you.
00:42:04> 00:42:07:	Older Randolph, I don't know how many other questions we
00:42:07> 00:42:10:	have. Adam, we're recognizing that we're kind of approaching the
00:42:10> 00:42:12:	end of your time here. Do you have a couple
00:42:12> 00:42:14:	more minutes if needed for for one or two more
00:42:14> 00:42:14:	questions?
00:42:15> 00:42:17:	Yeah, yeah, absolutely. There's more.
00:42:20> 00:42:23:	Great. Yeah, we have a question from Norm that came
00:42:23> 00:42:26:	in through the through the chat here. And Norm, I
00:42:26> 00:42:29:	see you're unmuted, so feel free to ask your question.
00:42:30> 00:42:34:	Adam, just wondering what your take is. There's a big
00:42:34> 00:42:35:	green movement.

00:42:35> 00:42:39:	There's been a lot written about ecological and environmental damage
00:42:39> 00:42:43:	caused by creating ski runs with drainage and specifically in
00:42:44> 00:42:46:	BC as it relates to the fisheries and.
00:42:46> 00:42:47:	The rivers.
00:42:47> 00:42:50:	Flowing to the ocean and that whole ecosystem, what's the
00:42:50> 00:42:54:	likelihood that we will see new ski resorts developed in
00:42:54> 00:42:57:	British Columbia and or Canada in general from your perspective?
00:42:59> 00:43:02:	Yeah, this, there is actually a lot happening in north,
00:43:02> 00:43:04:	in North America and in Canada.
00:43:06> 00:43:09:	You know, we're, we're as a master planner. You know,
00:43:09> 00:43:12:	we do get hired by developers. They just want to
00:43:12> 00:43:16:	see what's, what the potential of their site is. So,
00:43:16> 00:43:19:	you know, that's what we do. We'll show them exactly
00:43:19> 00:43:22:	what is, what they could achieve, you know, if they
00:43:22> 00:43:26:	fully develop. Whether or not they can take that and
00:43:26> 00:43:29:	actually make it happen is, is the big question. But
00:43:29> 00:43:32:	there are, yeah, there are a lot of ski areas
00:43:32> 00:43:35:	on the books, on the plans across BC and across
00:43:35> 00:43:36:	Canada.
00:43:37> 00:43:40:	And I I think there will be there. There was
00:43:40> 00:43:43:	a big increase in in visitation across the across the
00:43:43> 00:43:46:	market in the last few years. You know with the
00:43:46> 00:43:49:	pandemic and outdoor recreation is just a lot of people
00:43:49> 00:43:53:	wanting to come out into nature and experience that you
00:43:53> 00:43:56:	know whether it's skiing or or or else or or
00:43:56> 00:43:59:	something else that's one thing. But with that kind of
00:43:59> 00:44:02:	demand I think there will be you know and it
00:44:02> 00:44:05:	was in the real estate market as well people wanted
00:44:05> 00:44:06:	to move out of this.
00:44:06> 00:44:09:	And centers, so we're seeing also just developments just for
00:44:09> 00:44:11:	real estate and some of these more.
00:44:12> 00:44:15:	You know other other smaller towns or even remote areas
00:44:15> 00:44:18:	with a kind of recreational component. So I think that.
00:44:19> 00:44:22:	Yeah, there will be, there will be more development and
00:44:22> 00:44:25:	there is always going to be the challenge about how
00:44:25> 00:44:28:	to do it in the most sensitive way. But I
00:44:28> 00:44:30:	do think the process here is, is in the North
00:44:30> 00:44:33:	America is really good. It's very important that we go
00:44:33> 00:44:36:	that we have to prove it all out and satisfy
00:44:36> 00:44:37:	all the requirements so.

00:44:38> 00:44:40:	Yeah. Now as long as it's done in a in
00:44:40> 00:44:43:	a careful manner and sensitive manner, then then I think
00:44:43> 00:44:46:	it's, I think it's a good thing to get people
00:44:46> 00:44:49:	out into nature because I think the more people that
00:44:49> 00:44:51:	come out and experience it and get out of those
00:44:51> 00:44:54:	urban centers, you know, hopefully they can connect more with
00:44:54> 00:44:58:	nature and it becomes more forefront and their lifestyle and
00:44:58> 00:45:00:	they want to preserve it more as well.
00:45:03> 00:45:06:	Cool. Thanks for your question, norm. We appreciate that. We
00:45:06> 00:45:09:	have one final question from Andrew. Andrew, I'll unmute you
00:45:09> 00:45:11:	and you can ask your question.
00:45:14> 00:45:17:	Hi, everyone. Thanks for your time. Adam, my question is
00:45:17> 00:45:20:	around limitations that you would have to consider for the
00:45:20> 00:45:23:	site selection of ski resorts. So an example I gave
00:45:23> 00:45:26:	is a sourcing food of any limitations that you think
00:45:26> 00:45:27:	would exist.
00:45:27> 00:45:27:	Great.
00:45:28> 00:45:29:	Hmm.
00:45:29> 00:45:33:	Yeah, yeah. These days with the with snowmaking is such
00:45:33> 00:45:37:	an important part of of having a good operational season
00:45:37> 00:45:40:	length for a ski resort, then water is you know,
00:45:40> 00:45:43:	probably one of the most important things that you need
00:45:43> 00:45:46:	to ensure you have adequate supply of.
00:45:47> 00:45:49:	So that's that's a limiting factor.
00:45:51> 00:45:53:	And then there's things like market, I mean, if you
00:45:53> 00:45:55:	are really far from population centers.
00:45:56> 00:46:00:	You know, going forward, like these destination resorts that people
00:46:00> 00:46:05:	are flying, that they're solely surviving on people flying internationally
00:46:05> 00:46:08:	to visit, that's going to be a very big limiting
00:46:08> 00:46:10:	factor I think maybe the price of.
00:46:12> 00:46:14:	Line is maybe going to go up and that's just
00:46:14> 00:46:18:	and people are becoming more aware that they don't really
00:46:18> 00:46:21:	wanna do that too much because of the carbon footprint
00:46:21> 00:46:24:	part of it. So you know through the pandemic, you
00:46:24> 00:46:27:	know, a good example is that a lot of these
00:46:27> 00:46:30:	places did pivot to really target local markets and so.
00:46:31> 00:46:34:	That sort of proved out that that's really possible. You
00:46:35> 00:46:37:	can run your your ski area or whatever it is
00:46:37> 00:46:41:	recreational activity with local market if you can tap into

00:46:41> 00:46:45:	that. So that's a limiting factor. You don't want to
00:46:45> 00:46:48:	build out so remotely that you're just relying on on
00:46:48> 00:46:52:	visitation coming from outside there, outside the country or
	even
00:46:52> 00:46:56:	outside the region. So scale of projects needs to consider
00:46:56> 00:46:56:	that.
00:46:58> 00:46:59:	Yeah, so water.
00:47:00> 00:47:02:	I think those are kind of the two big things
00:47:02> 00:47:04:	that come to mind immediately. Yeah, thanks.
00:47:06> 00:47:09:	On, on that I think we're at about time. So
00:47:09> 00:47:11:	Adam on behalf of everyone at UCI and back for
00:47:11> 00:47:14:	everyone both here today and who registered and we'll be
00:47:15> 00:47:17:	watching this later on. You know thank you so much
00:47:17> 00:47:20:	for for coming. Thank you so much for giving your
00:47:20> 00:47:23:	time to join us today. It's been super interesting, super
00:47:23> 00:47:27:	insightful and I know you've got so many experiences and
00:47:27> 00:47:30:	stories and in your head that we could elaborate on,
00:47:30> 00:47:30:	but.
00:47:32> 00:47:35:	You know, the ones that you touched today, amazing. Thank
00:47:35> 00:47:38:	you so much. If people in the audience or people
00:47:38> 00:47:40:	listening in are are keen to get in touch with
00:47:40> 00:47:42:	you or or reach out with more questions or or
00:47:43> 00:47:45:	chat about anything else, what would be the best way
00:47:45> 00:47:46:	to reach you?
00:47:47> 00:47:51:	Yeah, you can. You can find my contact information on
00:47:51> 00:47:56:	our website www.echosign.com. It's probably the easiest way. Just just
00:47:56> 00:47:59:	e-mail our info line there and and I'll get that.
00:48:01> 00:48:03:	Perfect. All right. Well, on behalf of the coffee and
00:48:04> 00:48:07:	conversations team, this is my last one. I'll be transitioning
00:48:07> 00:48:09:	off to a different country here, but it's been a
00:48:09> 00:48:12:	pleasure hosting these events over the past couple of years
00:48:12> 00:48:15:	and and all of our Randolph will be will be
00:48:15> 00:48:16:	taking the reins here, so.
00:48:17> 00:48:18:	Thank you so much and hope everyone has a great
00:48:19> 00:48:19:	day.
00:48:19> 00:48:20:	Thanks everyone.
00:48:21> 00:48:22:	Thank.
00:48:22> 00:48:23:	You Adam. That's fantastic.
00:48:24> 00:48:26:	Alright, thanks a lot.
00:48:26> 00:48:27:	Bye.

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