



SLOPEspan

ALL-SEASON SKI & FREESTYLE SYSTEMS

HANDBOOK

Learn-to-ski · Mogul · Freestyle · Performance · Complete

ALL-SEASON

Train beyond winter

PROGRESSIVE

Learn to performance

PROJECT-LED

Built around the site

One master brand. Five clear project pathways.

SLOPEspan groups synthetic-surface learning, mogul, freestyle and advanced training into one controlled Apollo project family. The system can start with one training zone or be developed as a complete destination.

SLOPEspan Learn

Beginner and coaching slopes for first turns, technique work and repeated training.

SLOPEspan Mogul

Purpose-shaped mogul terrain for rhythm, absorption and progression training.

SLOPEspan Freestyle

Approach, takeoff, landing and run-out systems for controlled freestyle progression.

SLOPEspan Performance

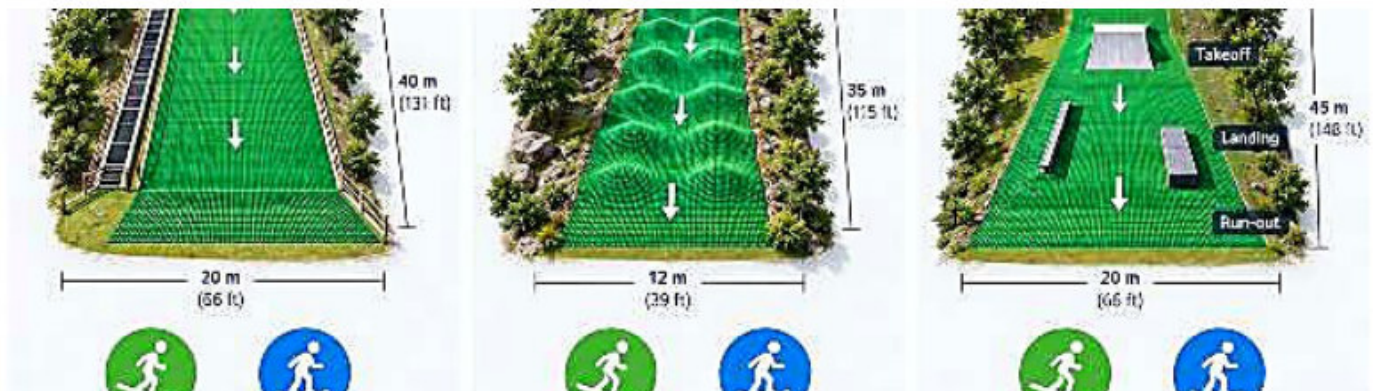
Project-led terrain for cross-style, half-pipe, big-air approach and advanced coaching.

SLOPEspan Complete

A multi-zone facility combining learning, moguls, freestyle and supporting infrastructure.

Supply model

Apollo supplies the selected product system and controlled product information; local civil works, installation, engineering and approvals remain project-specific.



Synthetic surface with multiple operating pathways

Current supplied reference material supports a modular all-season ski surface for dry operation, wet-assist operation and use beneath real snow. Final production specification and site integration are confirmed before supply.

Aspect	Project basis
REFERENCE MODULE	240 × 240 × 60 mm manufacturer reference dimension.
USERS	Ski and snowboard pathways, subject to the selected facility and coaching programme.
OPERATING MODES	Dry, wet-assist and snow-over pathways.
TERRAIN CONCEPTS	Flat or progressive learning slopes, wave terrain, moguls, cross-style terrain, half-pipe concepts and freestyle approach / landing applications.
PROJECT CONFIRMATION	Final material, production batch, fixing, base interface, drainage, services and installation documentation are confirmed for the project.

CONTROLLED SPECIFICATION NOTE — Apollo does not publish manufacturer performance figures such as speed equivalence, structural load, temperature range or service life as controlled specifications until the relevant supporting evidence has been received and reviewed.

Choose the training programme before the terrain.

The right SLOPEspan pathway starts with the users, discipline, site geometry and operating model. The surface is selected to support the programme — not the other way around.

Decision factor	Considerations
TARGET USERS	First-time learners · developing athletes · freestyle riders · performance programmes
SITE GEOMETRY	Available length and width · levels / gradient · indoor / outdoor / covered
DISCIPLINE	Learn-to-ski · mogul · freestyle · advanced performance
OPERATING MODE	Dry · wet-assist · snow-over
SUPPORT NEEDS	Access · coaching · viewing · equipment · services · emergency pathways
FUTURE GROWTH	Standalone zone · staged expansion · complete multi-zone facility

Start with what the facility needs to teach, how people will move through it and how the site will operate day to day.



The learning pathway is built around consistency, visibility and safe session flow rather than simply covering a hill with synthetic material.

All-Season Dry Ski Slope

Year-round skiing. Coaching. Progression.



BEST FIT

Ski schools · schools · resorts

PLAN AROUND

Gradient · access · viewing

EXPANDABLE

First stage of a larger facility

Project input

Provide the site plan, available length and width, levels, target users, operating model, preferred training intensity and destination.

Coaching focus

Plan learner level, side access, coaching positions, equipment handling, viewing, tow pathway, water service and run-out.

Technique, rhythm and repeatability

Mogul terrain should be shaped around the training programme, athlete level and coaching visibility. Final spacing and geometry are project-specific.



- Define the athlete level before selecting terrain intensity.
- Allow a clear approach and run-out, not just the mogul field.
- Keep coaching and observation positions out of the rider line.
- Coordinate slope drainage and surface maintenance from the start.
- Integrate with Learn or Freestyle zones where a broader training programme is planned.

Design the whole movement path

A freestyle landing system is not just a landing surface. Approach speed, takeoff, flight path, landing profile, run-out and side safety areas need to work as one specialist training sequence.



01 Approach

02 Takeoff

03 Flight

04 Landing

05 Run-out

Approach, takeoff, landing, run-out and safety areas must be resolved as one movement system.

Advanced terrain only where the programme justifies it

Performance terrain can include cross-style course concepts, half-pipe concepts, big-air approach pathways and specialist coaching zones. These are project-led systems, not standard catalogue layouts.



Discipline first

Start with the exact sport, athlete level, coaching outcome and intended operating model.

Specialist geometry

Approach, transitions, radius, landing, run-out and safety areas require specialist design.

Support infrastructure

Access, rescue pathway, observation, fencing, services and maintenance access should be resolved with the terrain.

Apollo role

Product system supply and controlled documentation; local specialist design, civil works, installation and approvals remain project responsibilities.

Turn separate training zones into one operating facility

A complete destination should be planned around the user journey: arrival, equipment, briefing, coaching, slope access, progression, viewing, recovery and exit.



Core zones

Learn, mogul and freestyle.

Optional expansion

Advanced performance terrain where the site and programme support it.

Support spaces

Viewing, equipment storage, rental, coaching, first aid, shade, seating and circulation.

Staging

Start with the highest-value zone, then add further terrain as participation and programme demand grow.

Where SLOPEspan fits

SLOPEspan is a project family for training and destination recreation where repeatability, coaching and all-season operation matter.



Ski areas

Extend training and coaching opportunities beyond natural-snow windows.

Snow-sport academies

Build repeatable programmes for learner and athlete progression.

Schools + education

Create controlled introductory snow-sport learning environments.

Resorts

Add a year-round activity and training proposition.

Sports institutes

Support structured athlete development and coaching.

Indoor / outdoor centres

Use the system in dedicated training facilities where local site conditions support it.

Destination recreation

Combine multiple zones into a broader active-recreation offer.

The finished surface follows the quality of the site beneath it

The surface system should not be used to disguise unsuitable levels, unstable earthworks, uncontrolled drainage or unresolved access. Site design starts with the terrain and the operating plan.



- Record existing levels, slope direction and available run length.
- Define the proposed base construction and who is responsible for it.
- Provide a positive drainage pathway beneath and around the synthetic surface.
- Coordinate edge restraint, access paths, services and maintenance access.
- Keep vehicle, plant and delivery access separate from finished public circulation where practical.
- Allow for water supply and controlled wet-assist operation where specified.

Final base build-up, structural support, retaining, foundations, anchoring and drainage must be designed for the actual site by the purchaser's project team and coordinated with the final supplied system.

Plan people movement as carefully as rider movement

Public and training facilities need controlled rider direction, separation from spectators, clear entry / exit points, supervision and emergency access.

Rider flow

Define a logical one-way training sequence for each zone and keep crossing movements out of the active line.

Supervision

Provide coach / staff positions with clear visibility without placing people in run-out areas.

Edges + run-out

Final safety zones, barriers, edge treatment and run-out depend on discipline and geometry.

Public interfaces

Separate viewing, queues, equipment, paths and service access from active training lines.

Operating rules

Facility rules, competence limits, weather procedures and opening conditions belong to the local operator.

Emergency planning

Local first-aid, rescue and emergency access requirements should be integrated into the facility plan.

Water is a facility service, not an afterthought

Where wet-assist operation is selected, the water system should be planned together with surface layout, drainage and operating procedures.

Service	Planning requirement
WATER SOURCE	Confirm local water availability, quality and pressure requirements for the final equipment package.
DISTRIBUTION	Coordinate pipe routes, valves, misting / wetting equipment and service access.
DRAINAGE	Wet-assist water must have a controlled path away from the riding surface and surrounding areas.
WINTER USE	Where the system sits beneath natural snow, local freeze / thaw and seasonal operating procedures remain project-specific.
ELECTRICAL	Any pumps, controls, lifts or supporting equipment require local electrical design and compliant installation.

Resolve water, drainage and electrical interfaces before the final surface package is released for supply.

Freeze the system before site work is treated as final

Apollo is supply-only. The local project team is responsible for site measurement, civil works, foundations / base, drainage, structural adequacy, installation, electrical work and statutory compliance unless a separate local contract says otherwise.

- 1 Define users, disciplines and operating model.
- 2 Provide survey / site levels and available footprint.
- 3 Select SLOPEspan pathway and indicative configuration.
- 4 Coordinate base, drainage, access and services with the local project team.
- 5 Confirm final product schedule, packing, freight and documentation.
- 6 Install to the final manufacturer documentation and local project design.
- 7 Complete inspection, commissioning / handover and establish the maintenance record.

Clear responsibility boundaries protect the project: Apollo supplies the system; the purchaser's project team coordinates local site works and compliance.

Inspect, clean, record and replace

A synthetic training facility needs routine visual inspection, cleaning and prompt repair. Maintenance frequency should reflect use intensity, environment and the final supplied system.

Routine checks

Surface condition, joins / fixings, edges, debris, drainage, fences, access and any visible damage.

Cleaning

Remove leaves, grit, litter and contaminants that could affect surface condition or drainage.

Wet-assist equipment

Inspect nozzles, hoses, valves, pumps and drainage before use where fitted.

Damage

Close affected areas if damage could affect safe operation; replace or repair components using the approved method.

Records

Keep a simple inspection and maintenance log for public / managed facilities.

Spares

Plan critical spare surface components and consumables into the project handover where appropriate.

Maintenance frequency should match use intensity, local environment and the final supplied system.

What Apollo needs to move from idea to a real quotation

The faster we understand the site and operating goal, the faster we can narrow the correct system pathway.

What we need	What to provide
PROJECT	Project name, organisation and destination.
SITE INFORMATION	Site plan, survey or measured footprint.
GEOMETRY	Available length, width and levels / gradient.
ENVIRONMENT	Indoor, outdoor or covered environment.
USERS	Target disciplines and user levels.
OPERATION	Expected daily / seasonal operating model.
OPERATING INTENT	Dry, wet-assist or snow-over.
LOGISTICS	Access, delivery and unloading constraints.
LOCAL WORKS	Base / civil / drainage concept if known.
PROGRAMME	Target timing, staging and future expansion goals.

This handbook is a project-planning document, not a substitute for site-specific engineering, specialist slope design, local safety assessment, installation instructions or statutory approval. The current quotation and final controlled project documents take precedence.

Before the facility moves to supply

Use this checkpoint to make sure the site, programme and local responsibilities are defined before the product schedule is released.



Programme and target users confirmed



Site footprint and levels confirmed



Selected SLOPEspan pathway agreed



Operating mode confirmed



Base / civil responsibility assigned



Drainage and services pathway defined



Access and delivery route checked



Local safety / specialist design coordinated



Installation responsibility confirmed



Documentation and handover requirements agreed

APOLLO IS SUPPLY-ONLY — local civil works, installation, specialist design and destination compliance stay with the purchaser's project team unless an exact quotation says otherwise.

Project Information



PROJECT SUPPLY

Project-specific system selection, controlled product information, packing and freight scope.



DOCUMENTATION

Current handbook, technical sheets and project-confirmed documentation.



EMAIL

sales@apollonzglobal.com

TRAIN BEYOND WINTER. BUILD THE PROGRAMME. GROW THE FACILITY.

SLOPESPAN

All-season ski and freestyle systems for learn-to-ski, mogul, freestyle, performance and complete training facilities.

sales@apollonzglobal.com