

GUARANTEED OPENING DATE

SAVINGS & MORE INCOME WITH
SNOW STORAGE CONCEPT

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- B. EVOLUTION OF SNOW STORAGES
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A.

“Snow Whisperer”

MIKKO MARTIKAINEN

an introduction



MR. MIKKO MARTIKAINEN IN A NUTSHELL

Mikko Martikainen, passion for skiing since 1962. A snow technology expert. Father of storing snow over the summer period for snow sport & ski resorts.

Four patents pending.

Interdisciplinary understanding on strategic and practical level in snow sports and ski resort development.

Snow expert for Sochi Organizing Committee 2010–2014.

Snow expert for Beijing Organizing Committee 2017–

Historian & futurist of snow and snow sports.

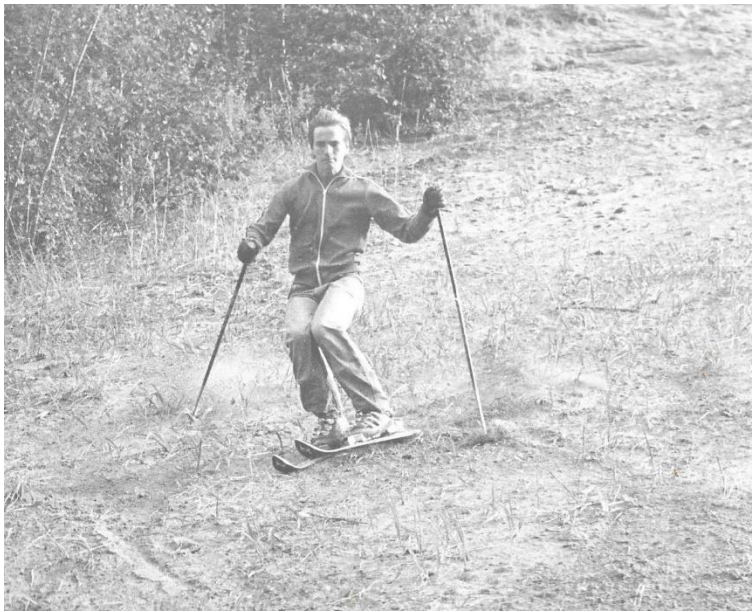
Owner of MM – Sports Ltd (since 1986) and Snow Secure Ltd (since 2005).

60 years old, married, three children.



B.

**EVOLUTION OF SNOW
STORAGES**





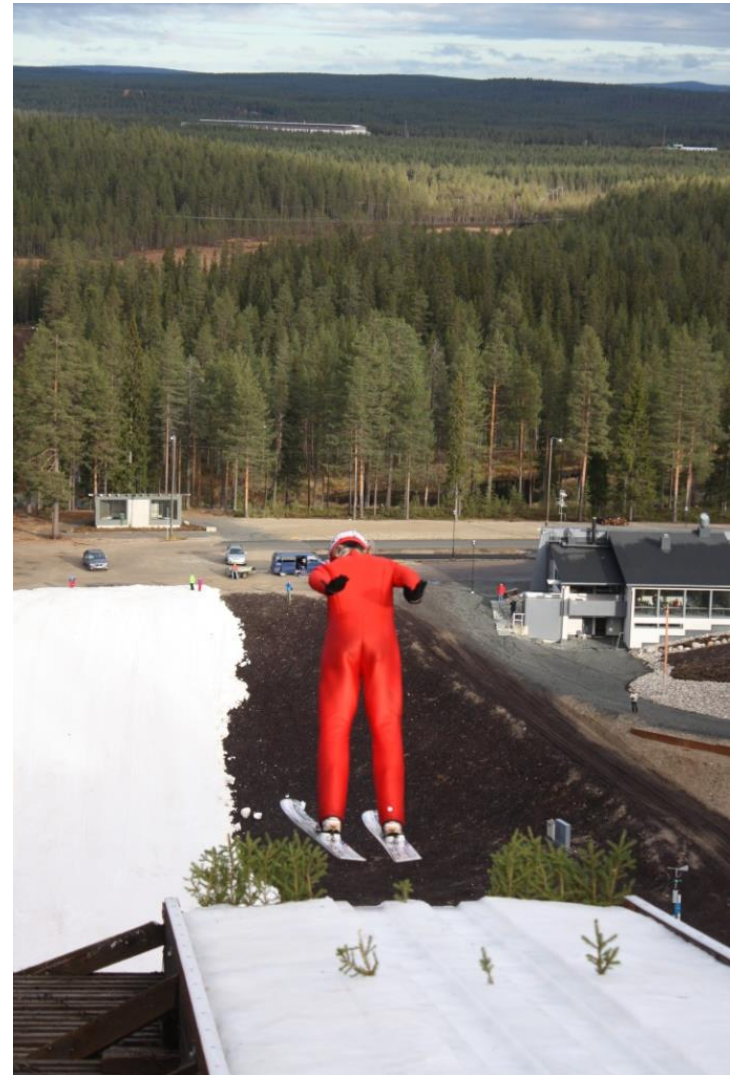








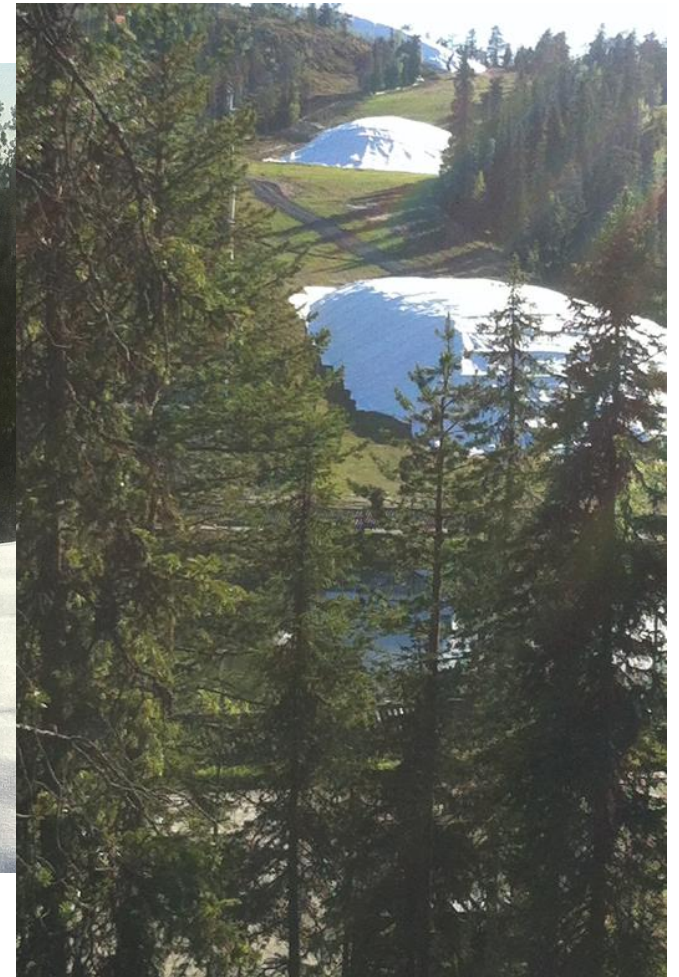






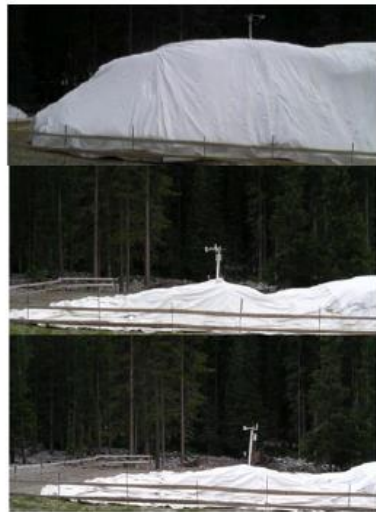






Snow Farming Davos, CH

Field experiment **SLF 2008**: geo textile vs. saw dust



15. Mai 2008

04. Sept. 2008

19. Sept. 2008



15. Mai 2008

04. Sept. 2008

19. Sept. 2008

STORING SNOW: BENEFITS

- ✓ Guarantee an exact opening date
- ✓ Prolong the ski season from the beginning of season
- ✓ Reduce the cost of ordinary snowmaking investments & running costs
- ✓ Secure snow in warm winters
- ✓ Secure World Cup or other important snow events
- ✓ Secure snow training one month earlier than normal for snow sports teams

2 m³ fresh man-made snow

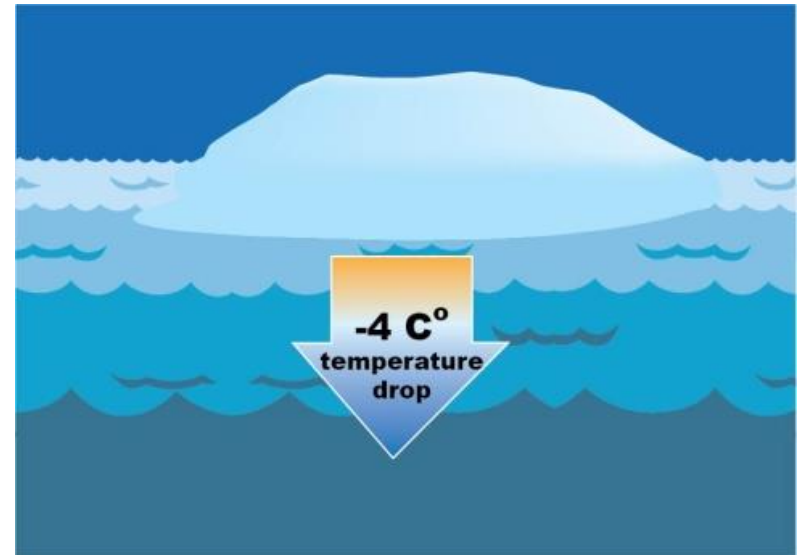
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1 m³ snowstorage snow

**6.000 ton snow ->
552.000 kWh**



100.000 m³ water





Ruka Ski Resort facts:

- 34 slopes, 30 illuminated slopes
- 21 ski lifts, 5 chairlifts
- Summit height 492 m
- Longest slope 1300 m
- Lift capacity 25400 skiers per hour
- Same ski pass valid in Pyhä ski resort
- Ski season 2016-2017 starts October 10th at 10am and Ski season last until 7th of May 2017
- During the ski season 2016-2017: more than 200 skiing days, as the only ski resort in Finland.

