

# SKY

No. 1/March

News from the SKY

## SKYTEX

by PORCHER SPORT

SKYTEX is the synonym for free flying and paragliding. The article reveals some more details about the materials used for paragliding.

## Stubai 2012

STUBA 2012 is over. Long live STUBAI 2013. A short article covers the event as seen by the SKY team.

## SKYTREK

The children hidden inside all of us, big boys, will be easily satisfied by the new SKY project. Check the details.

## REVERSE 2012

Well hidden improvements of the 2012 edition revealed and discussed.





# SKYTEX by Porcher Sport, France



porcherindustries

PORCHER industry was founded in 1912 and celebrates its 100 years anniversary. The group has always been a leader in technical textiles industry and is still active in many different fields: e.g. automotive, construction, composite materials, electronics and sports. Even though the fields diverse so much (driving, sailing, flying), it is the weaving that they have in common.

It was at the end of 80's when the few paragliding designers addressed the company, namely then the PORCHER Sailing division, to investigate and learn more about the materials to be used for paragliding.

It was then when the word SKYTEX started to be used as a synonym for paragliding and flying.

As the needs were modified in the course of time, the division itself was renamed to PORCHER Sport to reflect the scope of activities and materials they cover. As Sky Paragliders (SKY SERVICE) was already established in 1988, PORCHER became the natural partner to supply the needs of the then young and small company.

The material developed hand in hand with the needs of the paragliding designers and it is hard to imagine now, in 2012, that the glider of 1988 could use only single quality materials.

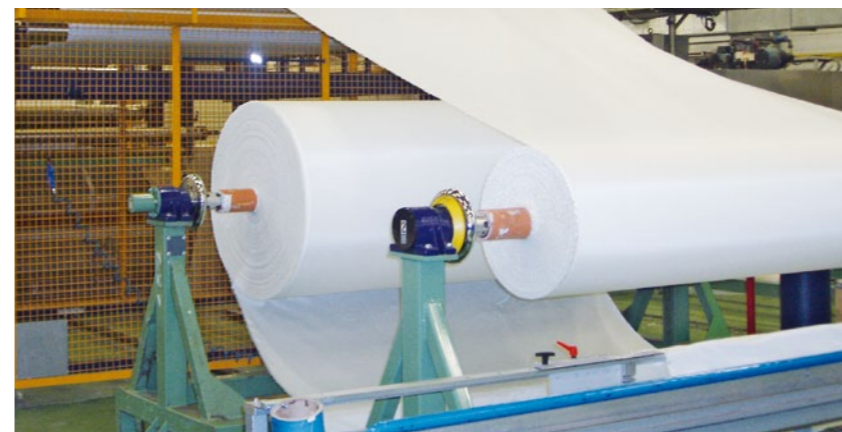
### THESE DAYS THE MATERIALS DIFFER HUGELY FOR THE PURPOSE THEY SERVE ON THE GLIDER:

- Ribs still must remain as stiff as possible and SKY use the hard finished material developed by PORCHER, the finish is coded as E29A.
- The upper panels and bottom panels must show decent UV resistance (usually valued 5-8 for the paragliding purposes) and must remain strong enough, stable and resist the daily load of flying and sometimes difficult take-offs. For the particular panels, we in Sky Paragliders use SKYTEX E77A or E38A respectively.

## NEW PRODUCTS

Cloths and glider development are closely linked. The designers not only bring new aerodynamical features and tricks to increase the performance, they also must deal with the technological limits of the cloths they have.

During 2011 Sky Paragliders and PORCHER Sport developed hand in hand a new range of material; the thread is lighter and thinner, 22dTex yarns slowly replace traditional 33dTex weaving patterns resulting in lighter and stronger material. Daniel Costantini, PORCHER Sport CEO, says: "We produced lighter cloths that displays not contractions. We had to slow down the looms to improve the quality of the weaving, the chemical treatment is improved to increase the life span of the gliders and we improved the porosity troubles."



## ANAKIS<sup>2</sup>

**ANAKIS 2** is the successor of the first generation of this well known and popular entry level/intermediate EN-B/LTF-B glider. It's predecessor was brilliant, so the successor must be even better – an extremely demanding task.

It was not the R&D team's goal to increase speed and glide ratio just to have an impressive datasheet for marketing purposes. The improvements of the ANAKIS 2 can be found mainly in improved efficiency, homogeneity, and even more pleasure in flight. Because only a pilot in total harmony with his wing is able to use his glider's full potential.

Anakis <sup>2</sup>	S	M	L	XL
Layout (m <sup>2</sup> )	23.20	25.10	26.80	29.00
Layout span (m)	10.72	11.15	11.52	11.90
Number of cells	46	46	46	46
Weight of the glider (kg)	4.20	4.45	4.70	4.95
Take-off weight (kg)	58-80	73-95	88-110	103-130
Trimspeed(km/h)	37	37	37	37
Max.speed (km/h)	50	50	50	50
Test	EN B	EN B	EN B	EN B
LTF test	LTF B	LTF B	LTF B	LTF B

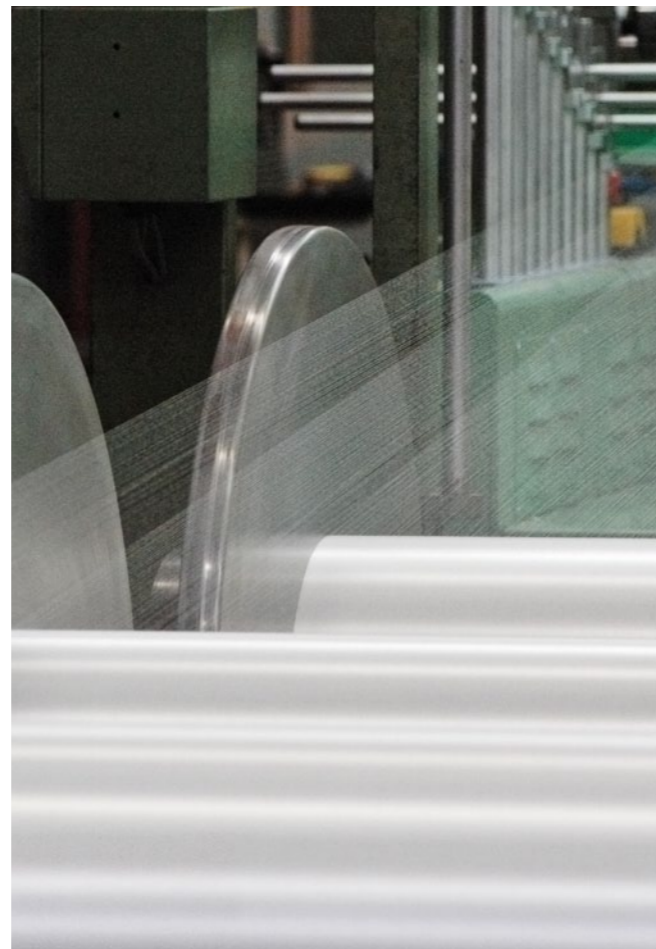
More info at [www.sky-cz.com](http://www.sky-cz.com)



“Who knows, one day your old 9 cells glider will be recycled into a brand new SKY gliders. Its only a small step to reduce the carbon impact of our sport, says Daniel, but we try to source new components. Shortly, the project should cover the whole production chain; transport of materials, production and, last but not least, the way we practice our sport.”

Well, no more to comment on that, just to say, this is one more reason for Sky Paragliders **to be closely linked with a company that bothers about the environment in the wide meaning of the word.**

Sky Paragliders closely work with PORCHER and still consider PORCHER as the traditional European supplier for the European paragliding manufacturer. And the collaboration is so close not only because of the technical qualities of the material, but because PORCHER is one of the rare companies which care about the whole technological cycle of the cloths. PORCHER started a new project to recycle nylon, so vital, expansive and still unique material so essential for our safe flying.



**THE NEXT SERIES**  
**will also cover:**

- RESERVE chutes material
- LINES, Edelrid and Cousine Trestec
- STRAPS , Mouka

Thinking differently is still

POSSIBLE

**ALEXANDRE PAUX**  
Switzerland  
SKY designer

*twisted  
in the sky ...*

# STUBAI 2012

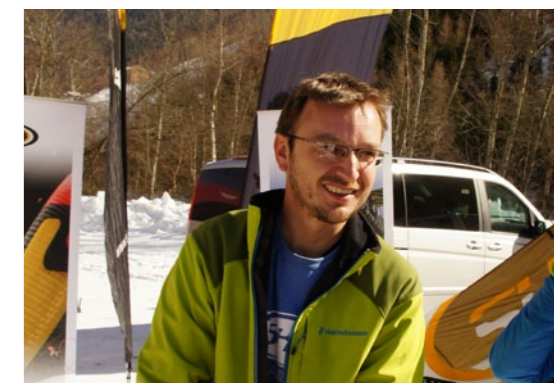
21st annual Stubai Cup took place 2nd till 4th of March in its traditional locations. As this is the first possibility to see what are the secrets that kept the paragliding manufacturers busy over winter, the event attracts really huge crowds. Sky Paragliders presented brand new ANAKIS 2, and also ANTEA 2 brought a lot of attention for all those who like to fly performance and sporty feeling gliders. And thanks to the pilots, the SKY was really coloured with the SKY gliders.



Many thanks to Klaus and Martin who worked hard these days to meet all the enthusiastic pilots.  
Big thanks to Monica and Parafly school, traditional organiser of the event.

# STUBAI 2012

See you  
there  
in 2013



# SKYTREK

# SPOCK



SKYTREK is a new project of SKY Paragliders addressing the spirit of a kid deep inside all of us, big boys. SKY TREK is inspired by the famous STAR TREK series and you can already now check the ENTERPRISE space ship and Mr. Spock.

Shortly we will start a web page with the ordering system for those toys. We plan to sell them at three levels of manufacturing - **RTF** (ready to fly), **ARTF** (almost ready to fly) and **DIY** (do it yourself) to optimise the prices.



So far we experienced about 30 flight hours and we keep testing.



Just to tease you into a real toy...

Once piloted by an experienced paragliding pilot, real French gentleman, who was trying to understand the abilities to go into a deep spiral and forgetting to react the right way, the trike set **crashed**. And, guess what happened next: we had a visit of a police car, two ambulances and one fire-brigade car arrived on the spot as the crash was so real that the local passer by called the emergency number as he supposed the crash of the trike was real.

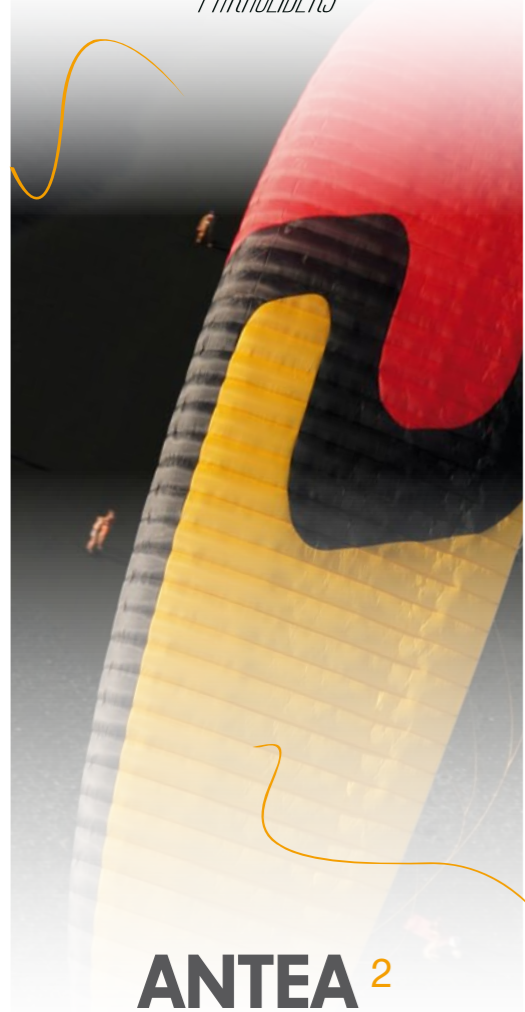
And, surprise, surprise, the trike was still possible to fly even after a spiral crash from about 40 meters. Yes, Philippe managed to smash the trike and not to damage the whole thing :-).



*precision is the crucial part of manufacturing sky gliders - to achieve our goal we have to use all our senses fully*



ISO 9001:2008  
Manufactured in Europe  
Quality born in SKY



## ANTEA 2

ANTEA 2 is a performance wing designed for advanced pilots and XC or competition flights. Typical SKY handling will help pilots to "feel the air". ANTEA 2 also provides a high climbing rate when thermalling. ANTEA 2 provides new technological solutions (e.g. ADIPRENE reinforcements, competition lines, new high speed profile), and it still keeps its forgiving behaviour and light weight.

ANTEA 2	S	M	L	XL
Layout Surface (m <sup>2</sup> )	22.7	24.6	26.35	28.55
Layout Span (m <sup>2</sup> )	11.17	11.63	12.04	12.53
Layout Aspect ratio	5.5	5.5	5.5	5.5
Projected Surface (m <sup>2</sup> )	20.15	21.83	23.39	25.34
Projected Span (m)	9.25	9.63	9.96	10.37
Projected Aspect ratio	4.24	4.24	4.24	4.24
Number of Cells	59	59	59	59
Weight of the Glider (kg)	4.5	4.7	4.9	5.1

ANTEA 2	S	M	L	XL
Take-Off Weight (kg)	60-80	75-95	90-110	105-130
Trim Speed (km/h)	38	38	38	38
Min. Speed (km/h)	24	24	24	24
Max. Speed (km/h)	55	55	55	55
Max. Gliding Ratio	> 9.5	> 9.5	> 9.5	> 9.5
Min. Sink Rate (m/s)	< 1.1	< 1.1	< 1.1	< 1.1
Certification ENC/LTFC	yes	yes	yes	yes

Certificated paramotor take-off load (kg) = Take-off load + 25 kg for M, L sizes and +15 kg for XL size.

## REVERSE 2 2012

# Well hidden secrets

**REVERSE 2** was introduced to public in 2011 and it attracted a lot of pilots – they liked the way it could be used. Some used that for daily flights as it was robust enough, some used the harness for hiking as it is very light and comfortable. Still, the demand also showed some weak points that were addressed in the 2012 edition.

### SO, WHAT IS NEW AND WELL HIDDEN:

- rucksack volume was increased to all easy and comfortable packing
- the back part was totally redesigned to bring more comfort even if carried long distances

### WHEN YOU FLY THE HARNESS, YOU MIGHT ALSO SPOT SOME NEW MODIFICATIONS:

- new back design for comfortable and stress free flight
- foot rest available as an optional accessory
- improved reversibility of the S sizes
- improved segmentation of the back reinforcements

As REVERSE still is the **SWISS KNIFE** in the harness range, we keep on introducing some more optional accessories. **Shortly we will announce:**

- speed bag
- detachable rucksack cap



# From the **NEXT ISSUE:**

**MATERIALS** – reserve chutes materials

**THE POROSITY SECRETS** – interview with the RIP AIR manager Bert Maddalena

**BEHIND THE SCENE** – what keeps SKY busy at the real beginning of the season

**SKYTREK** – LET US GO SOCIAL – some more activities and fun with the SKYTREK trike and glider

**SKY PARAGLIDERS AND SOCIAL MEDIA** (FACEBOOK and TWITTER)

**NEW SKY PARAGLIDERS TECHNOLOGIES**

**NEW MEMBERS OF THE SKY TEAM FAMILY** – introduction

**COMPETITION SEASON** – SKY Paragliders position for EN D competition gliders and testing of EN D two liners.

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## News from the SKY

Monthly magazine published by Sky Paragliders, <http://www.sky-cz.com/>

Published March 2012

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