

Wave Flying Pilot, Systems & Systematics! JK 2026

-Beginn with Daedalus & Icarus, Greece!
-Leonardo da Vinci Theoretical Basics!
-Lilienthal (Studies!), USAF Met, Wave Sci!
Jochen von Kalkreuth first Exp./Standards
Riesengebirge-Wasserkuppe-Alpen (Udet)
Joachim Küttner, O2,Hirschberg, Zugspitze
>TestP, Gigant, Meteorologe, 12.5Km (D)!
US-AtmResLab, U2-Enevoldson, Chile, USA
US Research, FAI, wins 2000Km! MWP with KO+, NEPAL,
Baron Hilton Cup etc
PERLAN!
-Tech:U2, SR71, NATO EGRETT, Enevoldson
S. America Alt-Project! 30KM, Grob, 2022ff
J. Knuettel, FS, MWP, FAI CIMP, EASA,TAA
Pilot Human Factors,
O2, Systems Briefing! Top: SFlg Wellen Fliegen in Grossen Höhen

1. Individ. Standards!See "GausKurve"
2. Th: Druckabfall & O2 in gr. Höhen > Besonderheiten!
3. Druckausgleich beachten! ständig!
4. Ab wenig Metern schon unmöglich!
5. Sauerstoffmangel (Hypoxie/Tod!)
6. EarBlock, Druckfall-Krankheit, DCS!
7. O2! > Vorsorge!Ziel "Null Hypoxie!
8. "Gasblasen" im Hirn, Blut, Gelenke?
9. Hyperventilation>(Schwindel, LOC!)
10. Cave: Bewusstlosigkeit, Tod!
11. Sauerstoffmangel ab "2000"m !
12. Trinken, Ernährung, Entsorgung!
13. Mentale Fitness, Mental-Belastungen
14. Physiological Training: U-Kammer
15. Theorie,Strategie,Vorbereitung,SOS
16. Technische Vorbereitung notwendig!
17. Mentale Vorbereitung, Übung!
18. Ess.Vorbereitung, Training, Stress!
19. Sonnenschutz, Emergency Planning
20. Kleidung, "High Altitude" Know How!
21. Emergencies and Rescue planing!
22. Sauerstoff Anlagen, Logistik Backup
23. Hypoxie Routines, O2-Mangel, O2!
24. CheckUp: Anlagen Service, Technik!
25. Theory, Team,Weather, Know-How!
26. Technic.Performance, EDS, Tech PI.!
27. Regular Theoretical Team Meetings!
28. FAI AC CHECK List, Maintenance, P!

Perlan Project / Historical Issues 2025

A. Hypobaric Science Promo

Küttner (Met, Tech, Pilot)
Hanna Reitsch (Pilot, Strat)
Strughold (Medical, Tech, Train)
Von Braun (Space, Tech, Strat)
Merbold. (Strat, Requ, Promo)
Enevoldson (Exp, U2-Pilot, Doctrine)
Jim Payne (Org, Chief-Pilot, Head)

B. Historical Locations

Wasserkuppe (D), first Altitude Records
Jelina Gora, Riesengeb, France
U-Kammer Berlin, Dachau, Breslau
Dayton / USAF Academy, Denver
NASA, Edwards AFB, Calif. USA
France, Andes, Calafate, Argentina

C. Overall History & Promotion

Küttner
Jim & Jacky Payne
Klaus Ohlmann, MWP
Einar Enevoldson, USAF-ret
Steven Fossett
Denis Tito
Barron Hilton
FAI-WR-Docs / AIRBUS

Juergen K Knueppel - LtCol MD-GAF Flight Surgeon ret
Mountain Wave Project - MWP Med Advisor - DAeC
FAI Med-Commission - DSTIV - EASA - MedExpGroup
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D. Technical Design/Support

GROB, AS, DG, Stemme Egrett
Perlanc Project "Community"
Mountain High Tec (McLaughlin)