

RC Aerobatics Needs Young Talents Trainings for Juniors

2 -2022



Aerobatics – whether with control-line or RC models – can only be performed successfully with extensive training and good technology. With requirements becoming ever more demanding, the road from novice to successful competition pilot also gets longer. This is a huge challenge for junior aeromodellers and their mentors.

Giving chance a helping hand

Looking at the international RC aerobatics scene, we see that in some countries talented juniors are attracting attention with highly astonishing performances. It's not possible to be absolutely certain whether this is coincidence or something more. There is, however, evidence of often similar constellations regarding infrastructure and individuals

around these youngsters that favour success:

- 1. Role models:* Aerobatics are pursued seriously in the young person's club, ideally by several juniors who challenge each other.
- 2. Coaching:* Mother, father or club members support the youngster with guidance and resources. Technical material has to be brought up to date constantly. Technical knowledge is needed to avoid buying the wrong equipment. Many young

aerobatics pilots are mentored by fathers who are or have themselves been successful in aerobatics.

3. Competitions for young people: To ensure a good start, competitions at a lesser level are vitally important. Such events should be designed to be suitable for youngsters. Criticism must be constructive rather than devastating, while fun and games are essential.



Modern models are becoming more complex. Juniors need support for equipping.

National aeromodelling organisations need to step up

If the career of a young aerobatics pilot has to rely on these three elements alone, it will never flourish beyond narrow boundaries. Those who spend time around model airfields will see many youngsters flying

their models – mostly made from foam – with great skill and virtuosity while not being afraid to take risks. As they grow older, they often acquire more sophisticated models but rarely have the ambition and stamina to practise more difficult manoeuvres. These young aerobatics pilots represent a huge potential and we have to find a way to harness it.

Technical foundations must not be underestimated

The idea that the road to success can only be taken via a hugely expensive "professional aeroplane" has to be put into perspective. Models suitable for aerobatics to some degree are generally fully equipped with RC system and propulsion and require virtually no technical knowledge. They can be a rewarding first step. At the next level, models with wing spans of 140 to 160 cm are the norm. They consist of lightweight foil-covered wooden structures. Experience has shown that the flight characteristics of these models are very close to those of a proper aerobatics model. The crucial factor is the installation of technical equipment for propulsion and radio control. Many available models come



Flight preparation must be made very reliable

fully prepared and with good instructions for this, but installing individual components still requires technical skill and experience.

Instruction in groups proves successful

The step towards a fully-fledged aerobatics model can very well be taken in groups. Experienced instructors can help to ensure that no irreversible mistakes resulting in frustration are made. We have had positive experiences with a funding scheme where parents, the local club and the regional or national aeromodelling organisation each come up

with one third of costs. Things are simplified if a single model is chosen.

Aerobatics training has to follow

When, after a few days, the aerobatics novices are proud owners of a model, this has to perform and be put through its first flight. Many adjustments are necessary to ensure smooth flying, which requires a lot of patience and technical knowledge from the instructors. It generally doesn't take long for the youngsters to master the first manoeuvres and a structured approach is beneficial.

Simple manoeuvre schedules

Programs such as those flown at large national and international championships have become highly complex. Apart from lots of talent and even more practice, mastering these takes several years, which is why some associations have developed simpler manoeuvre programs. These are important as stepping stones between the individual levels of difficulty. Clear and simple instruction aids such as graphics and videos are useful, and making use of them helps to enable training with no limits.

Young SilentWings 2022



DIPLOM

Die Modellflug Region Nordostschweiz überreicht dieses Diplom

CYRILL RIBI
MG DIESENHOFEN

für das erfolgreiche Bestehen des Elektroflug-Workshops 2022 im Fliegermuseum Dübendorf.

Dübendorf, 22. April 2022

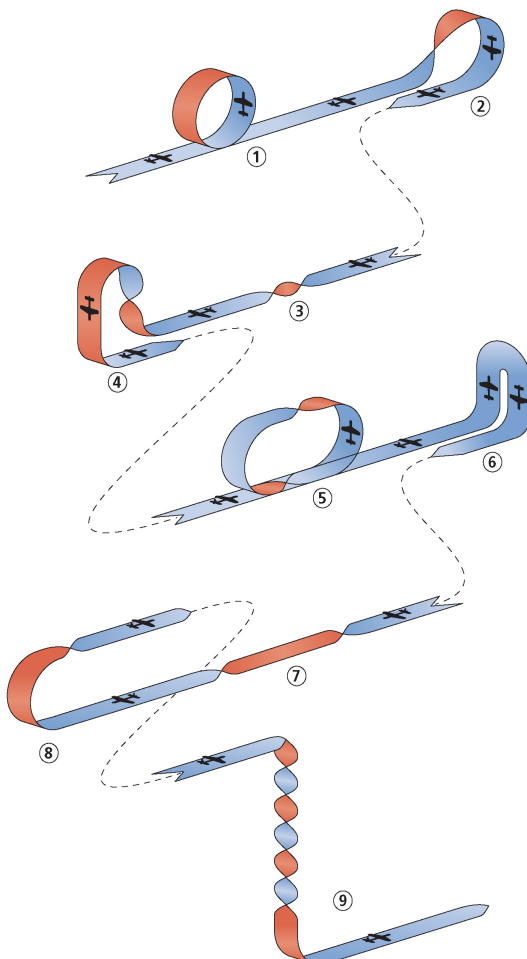
Für die Leitung

Walter Wüthmann
Emil Giezendanner



Diplomas for all participants.

With the assistance of our instructors five models fully assembled and equipped with drive and remote control. On the third day of the workshop the aerobatic machines were flown in.



Aerobatic manoeuvres simplified



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