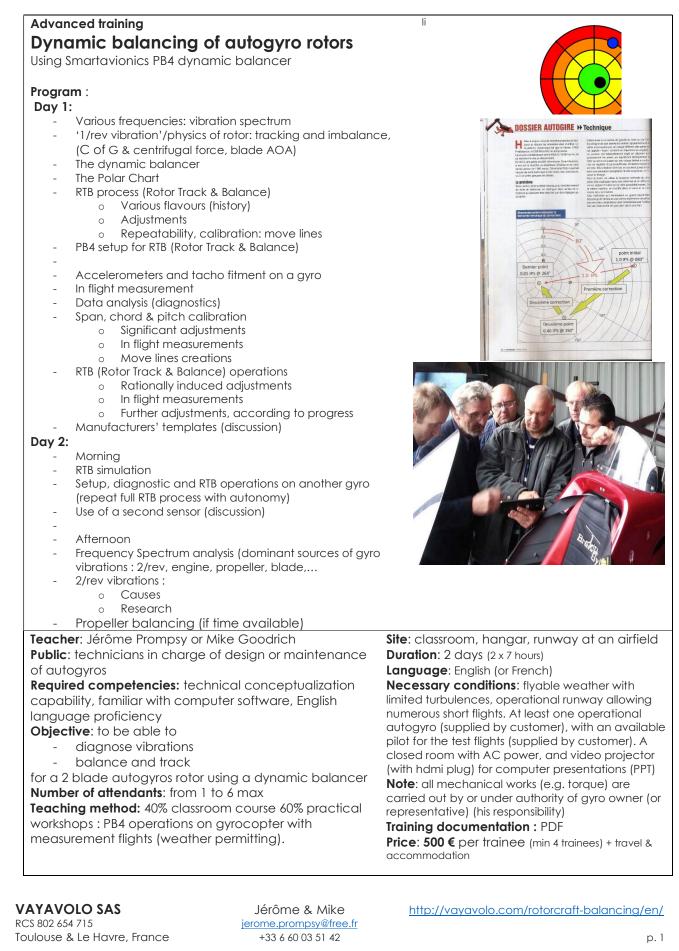


AUTOGYRO ROTOR BALANCING SERVICES

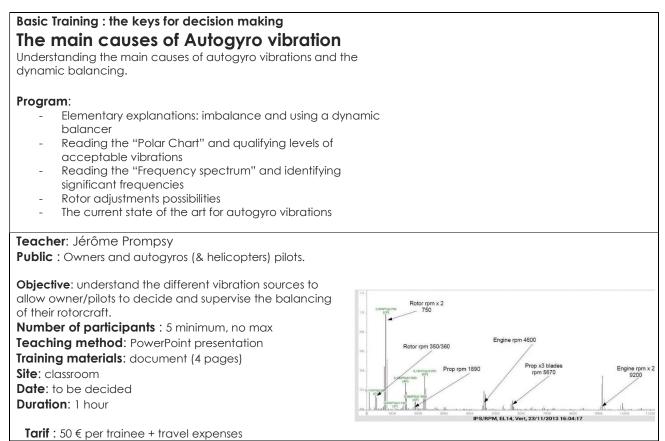
Engineering Services

Training, Analysis, Rotor balancing





AUTOGYRO ROTOR BALANCING PROGRAM



VAT not applicable art. 293B CGI

We do not represent or sell any make of autogyro or equipment



AUTOGYRO ROTOR BALANCING PROGRAM

Autogyro Vibrations Diagnostic

Measurement and analysis of the vibration condition of an autogyro using the Smart Avionics PB4 dynamic balancer. Installation of PB4 accelerometers and tachometer on customer's autogyro.

Printout of a vibration diagnostic $\ensuremath{\textbf{report}}$ for this autogyro, including :

- 1/rev (~350 RPM) vibration characteristics (polar chart)
- Frequency spectrum (vibration levels at different frequencies), allowing identification of all vibration sources (prop, carb balance, etc)
- Possible recommendations of follow up actions in case some vibrations are outside acceptable levels

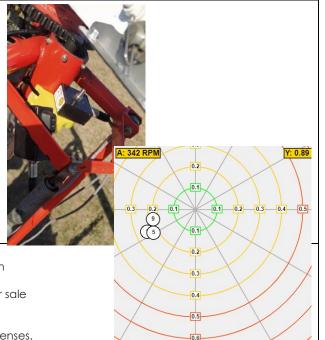
Note :

- The customer is in charge of a short flight (usually an extended circuit) to record the vibration data.
- The vibration diagnostic report may be valuable for sale of the autogyro.

Price: 100€ per autogyro + travel expenses.

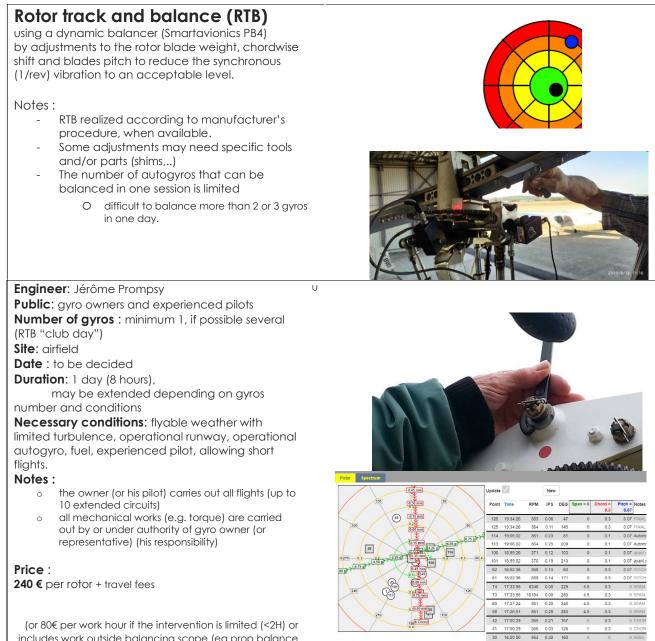
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AUTOGYRO ROTOR BALANCING PROGRAM



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includes work outside balancing scope (eg prop balance

. carb balance, silent blocks change....)

Jérôme & Mike jerome.prompsy@free.fr +33 6 60 03 51 42

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AUTOGYRO ROTOR BALANCING PROGRAM

Remote support (internet/telephone) for PB3/4 users

For experienced PB3/4 users who face interrogations or difficulties

Or for non-trained users in remote locations

Consultant: Jérôme Prompsy or Mike Goodrich **Public** : technician balancing a rotor with the PB3/4, who has mechanical and computing experience/skills. **Site** : Internet (email, Video conference, phone) **Delivery/Availability** : Case by case. (discussions to be agreed depending upon availability)

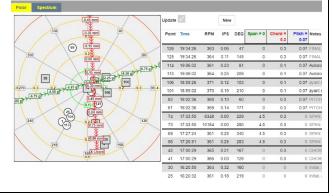
Method: The technician (customer) in charge of the balancing installs the equipment on the gyro and performs the PB3/4 setup, data gathering flights and transmits the files by email.

Tarif : 100 € per hour. Each started hour is billable. Vayavolo sends regular report of time consumed

For experienced PB3/4 technicians, this support is usually to clarify some setup or procedure, 1 hour per rotor is usually sufficient.

For an PB3/4 novice, the remote support can include a complete training session or just help on specific details. Our experience suggests that 3 to 5 hours of remote support for a gyro should be sufficient depending upon the initial competence of the technician.





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AUTOGYRO ROTOR BALANCING PROGRAM

Remote Gyro Rotor Vibration Diagnostic

PB4 supplied

for experienced technicians distant from Toulouse

Remote engineer: Jérôme Prompsy **On site operator**: customer

- must be
- gyro pilot
- familiar with computer software
- mechanically skilled
- English (or French) speaking Location: distant collaboration

Date: to be agreed upon

Duration: one day

Working stages:

Vayavolo supplies a Smartavionics PB4 dynamic balancer, sent via DHL (or equivalent). The on-site operator (customer) proceeds to sensors installation, PB4 setup, and measure flight, with distant instructions from Vayavolo.

Communication is through phone, visio-chat and e-mail The PB4 is to send back a week later

Price: 330 € (continental France) (abroad : price depends on carrier fees) Deposit: 2 000 € (not cashed in, returned once PB4 received back)

Distant instructions concern : balancer installation and setup, measurement procedure (but not basic mechanics or software). Vayavolo proceeds to measurements data analysis. **1 hour** distant support is included.

The 'gyro rotor vibration diagnostic' **report** is **supplied** some days later

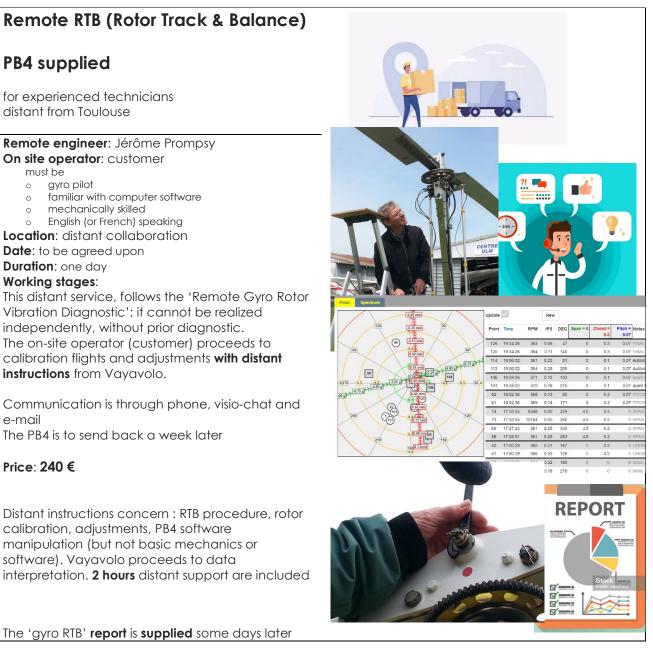
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VAT not applicable art. 293B CGI

Jérôme & Mike jerome.prompsy@free.fr +33 6 60 03 51 42





VAT not applicable art. 293B CGI



AUTOGYRO ROTOR BALANCING PROGRAM

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PB4 rental

For PB4 experienced technicians distant from Toulouse

Duration: 1 week

Terms and conditions : Vayavolo supplies a Smartavionics PB4 dynamic balancer, sent via DHL (or equivalent)

Price: **200** € (continental France) (abroad : price depends on carrier fees)

Deposit: 2 000 € (not cashed in, returned once PB4 received back)

