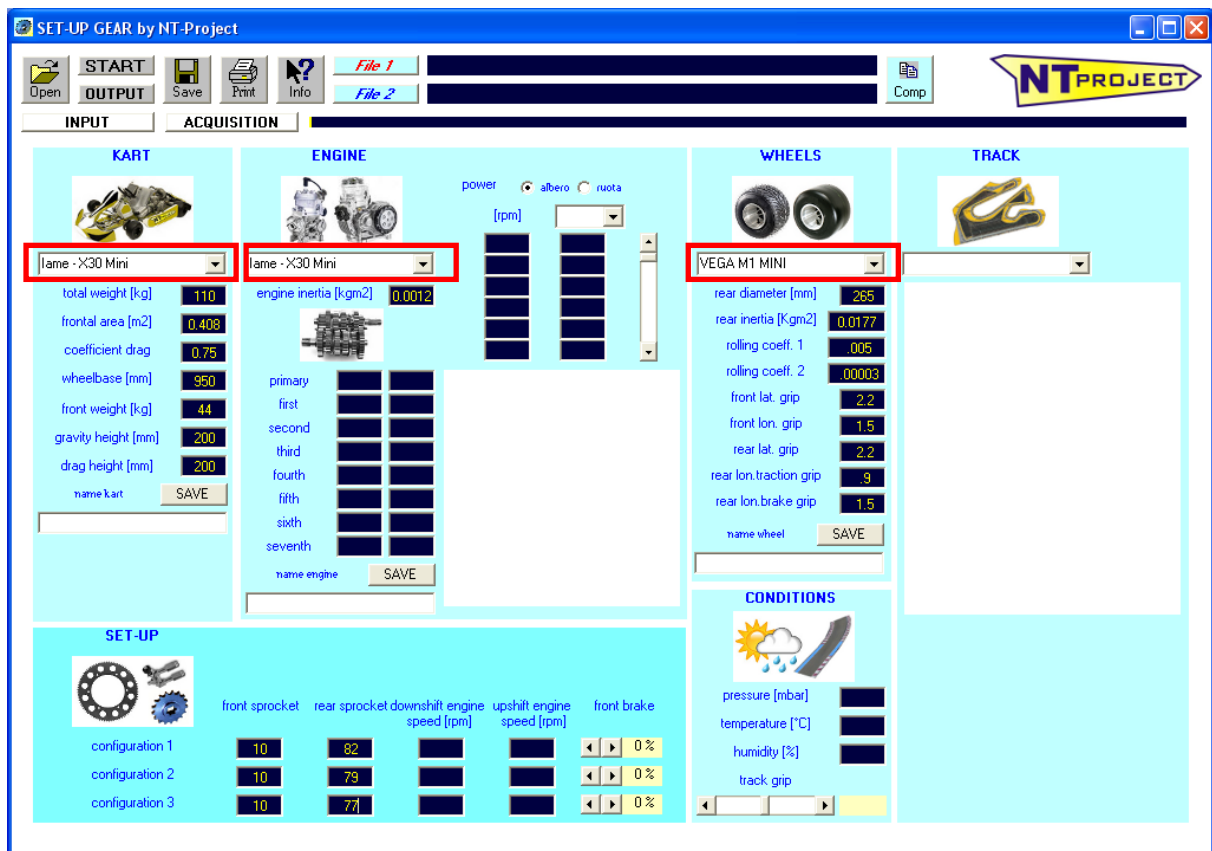


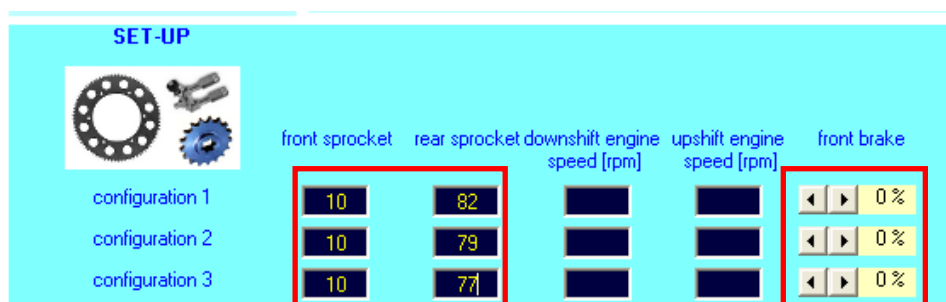
QUICK HELP SET-UP GEAR

In the INPUT tab select:

- KART
- ENGINE
- WHEELS (if there isn't a model of your category select a tyre of a similar category)



In the SET-UP enter the sprockets of the final drive ratio that you want test, and the brake distribution (if only rear brake click on the right arrow until you read 0%)



	front sprocket	rear sprocket	downshift engine speed [rpm]	upshift engine speed [rpm]	front brake
configuration 1	10	82	79	77	0 %
configuration 2	10	79			0 %
configuration 3	10	77			0 %

At this point go in the tab ACQUISITION

Import the file CSV that you've exported from your acquisition system clicking on IMPORT ACQUISITION DATA FILE

Select only the best
4-5 laps

Check power calculation, track
calculation, and tyre calculation

Click RUN

SET-UP GEAR by NT-Project

INPUT | **ACQUISITION**

RUN CONDITIONS

- pressure [mbar]
- temperature [°C]
- humidity [%]
- track grip

RESULTS OPTIONS

- minimum rpm
- maximum rpm
- filtering

DATA ACQUISITION

lap time [s]

64.600	<input type="checkbox"/>
66.000	<input type="checkbox"/>
68.300	<input type="checkbox"/>
51.300	<input type="checkbox"/>
50.200	<input checked="" type="checkbox"/>
50.200	<input checked="" type="checkbox"/>
50.200	<input checked="" type="checkbox"/>
50.300	<input checked="" type="checkbox"/>
50.700	<input checked="" type="checkbox"/>
50.600	<input type="checkbox"/>
50.400	<input type="checkbox"/>
50.400	<input type="checkbox"/>
50.400	<input type="checkbox"/>
50.600	<input type="checkbox"/>
51.000	<input type="checkbox"/>
50.800	<input type="checkbox"/>
50.700	<input type="checkbox"/>
50.600	<input type="checkbox"/>
50.500	<input type="checkbox"/>
50.600	<input type="checkbox"/>

IMPORT ACQUISITION DATA FILE

Excel_SN10178_051123_12H08_REBECCA_12

data filter

space

time

speed

engine speed

lat

lon

temp_head

temp_cool

temp_exhaust

lambda

keep selected labels

power calculation

- ☒ power calculation
- ☐ save power with name
- ☒ track calculation
- ☐ save track with name
- ☒ tyres calculation
- ☐ save tyres with name

RUN

Return in the INPUT tab and to click START

SET-UP GEAR by NT-Project

Open **START** OUTPUT Save Print Info File 1 File 2 Comp

INPUT ACQUISITION

KART

name: X30 Mini

total weight [kg]: 110

frontal area [m²]: 0.408

coefficient drag: 0.75

wheelbase [mm]: 950

front weight [kg]: 44

gravity height [mm]: 200

drag height [mm]: 200

name kart: SAVE

ENGINE

name: X30 Mini

engine inertia [kgm²]: 0.0012

power: ☐ albero ☒ ruota

[rpm] [CV]

7600	5.629
7900	7.164
8200	7.774
8500	8.746
8800	9.671
9100	10.72

primary first second third fourth fifth sixth seventh

name engine: SAVE

WHEELS

VEGA M1 MINI

rear diameter [mm]: 265

rear inertia [kgm²]: 0.0177

rolling coeff. 1: .005

rolling coeff. 2: .00003

front lat. grip: 2.2

front lon. grip: 1.5

rear lat. grip: 2.2

rear lon. traction grip: .9

rear lon. brake grip: 1.5

name wheel: SAVE

TRACK

CONDITIONS

pressure [mbar]:

temperature [°C]:

humidity [%]:

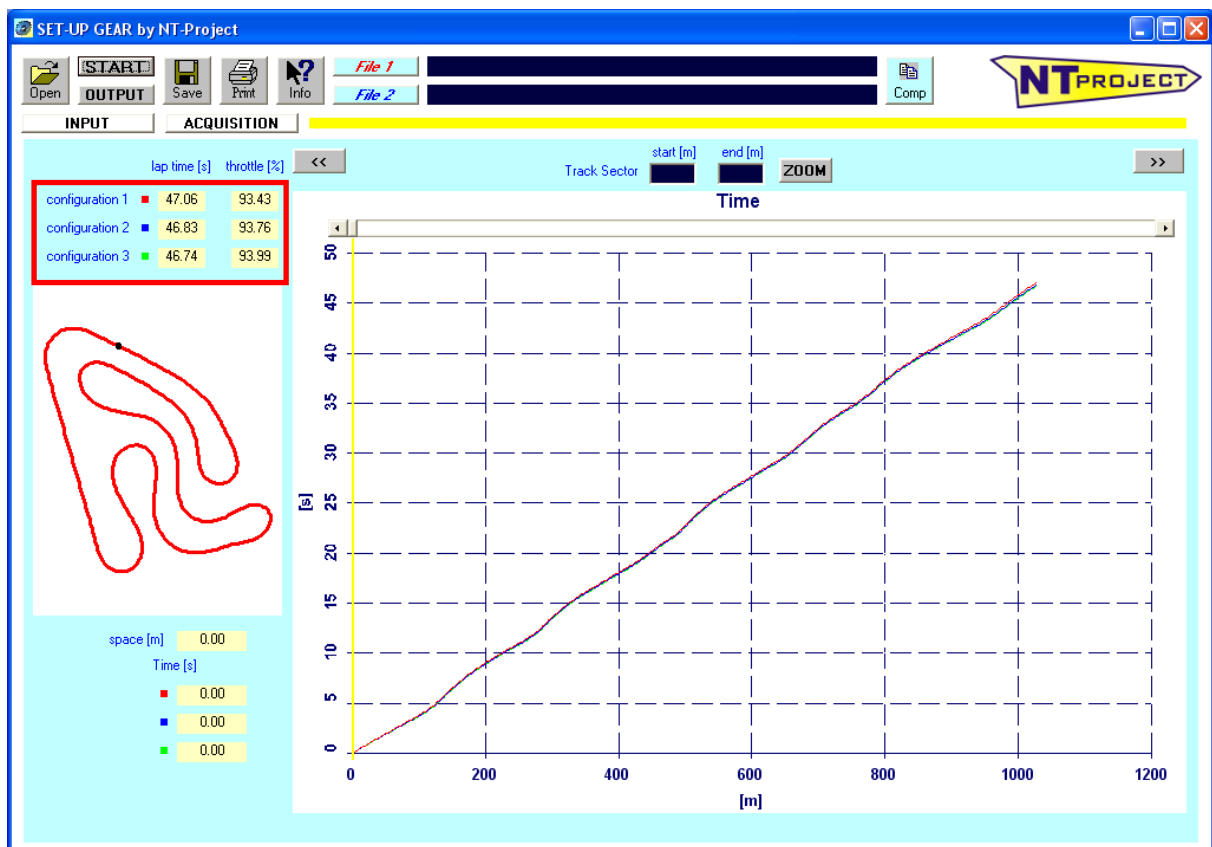
track grip:

SET-UP

front sprocket rear sprocket downshift engine upshift engine front brake

configuration 1	10	82			0 %
configuration 2	10	79			0 %
configuration 3	10	77			0 %

You'll have the results



If the lap time is too different from the real time, act on the track grip



and repeat the calculation

