Realization stage and final event













Realization stage and final event





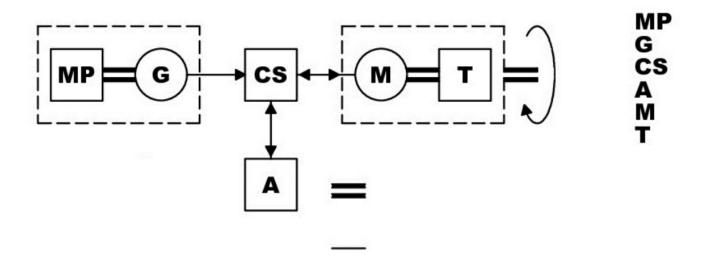


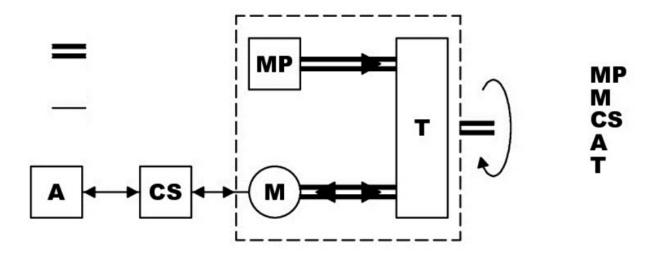












GUIDELINES



This text describes general guidelines and stages to realize the expected outputs according to the project requirements

REALIZATION STAGES



Choice of kart and purchasing

art and purchasing

· First test on the karts before the conversion

cal analysis of the karts

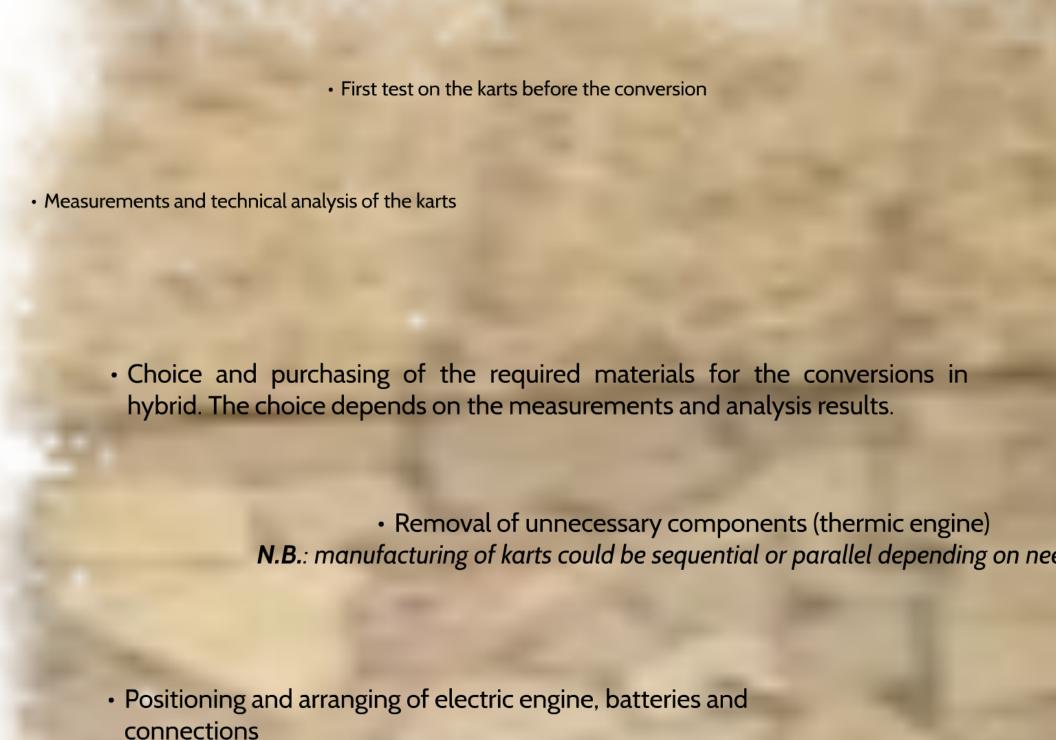
OUTPUT 5: partial Testing report: results before conversion

equirements to realize the activities.

First test on the karts be

Measurements and technical analysis of the karts

Choice and purchasing of the requestion of the requestion.
 hybrid. The choice depends on the median



and	technica	l anal	ysis o	f the	karts
			/		

rid. The choice depends on the measurements and analysis results.

• Removal of unnecessary components (thermic engine)

N.B.: manufacturing of karts could be sequential or parallel depending on needs

tioning and arranging of electric engine, batteries and nections

 Check functionality. Technical analysis supported by electrical measurement devices and diagnostic instruments.

OUTPUT 5: partial Testing report: results before conversion

OUTPUT 3-4 – partial

Technology and Safety Brochures: Collecting all basic requirements to realize the activities.

OUTPUT 3-4 - Partial

Technology and Safety Brochures: Collecting questions and needed from students dur activities; possible answers.

OUTPUT 1-2 - Complete Hybrid Kart with a series connection Hybrid Kart with a parallel connection

OUTPUT 3-4 - Complete

Removal of unnecessary components
 N.B.: manufacturing of karts could be sequential or po

Positioning and arranging of electric engine, batteries and connections

 Check functionality. Technical electrical measurement d instruments. **OUTPUT 5: partial**

Testing report: results before conversion

JT 3-4 - partial

logy and Safety Brochures: Collecting all basic requirements to realize the activities.

OUTPUT 3-4 - Partial

Technology and Safety Brochures: Collecting questions and needed from students during activities; possible answers.

TPUT 3-4 - Complete chnology and Safety Brochures: choice different ways to show materials.

OUTPUT 1-2 - Complete
Hybrid Kart with a series connection
Hybrid Kart with a parallel connection

OUTPUT 5: complete
Testing report: Compare the two karts and

tacturing ot karts coula be sequential or parallel aepenaing on needs

ng of electric engine, batteries and

 Check functionality. Technical analysis supported by electrical measurement devices and diagnostic instruments.

Collecting questions and needed from students du

OUTPUT 1-2 - Complete
Hybrid Kart with a series connection
Hybrid Kart with a parallel connection

Performance testing of the karts

OUTPUT 3-4 - Complete
Technology and Safety Brochures: choice
of different ways to show materials.
Productions of booklets.

Performance testing of the karts

OUTPUT 5: complete

Testing report: Compare the two karts and the differences with initial performance.

OUTPUT



Re





Realization steps

estimated timetable



PHA SES	DESCRIPTION	ESTIMATED TIMES
1	Work Planning Instruments and tools setup Definition of check points	2 hours
2	Workspaces arrangement	
3	Making of the support for the kart	1 hour
4	Positioning of the karts following concepts of stability, moving and working easiness	1 hour
5	Remove the engine from the kart	3 hours
6	Remove all the unnecessary parts	3 hours
7	Installation of the themic engine and components adaptation	3 hours
8	Installation of the electric engine and components adaptation	4 hours
9	Installation of battery pack	2 hours
10	Mechanical functioning test	2 hours
11	Electrical functioning test	2 hours
12	Required adjustments	1 hour
13	Testing	1 hour
14	Failure scouting	2 hours
15	Failure repair	2 hours
16	Substitution of defective components	1 hour
1.		30



CREDITS



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