

Meeting Description	Fifth Project Meeting in St. Pölten (Austria)
Meeting hosted by	Höhere Technische Bundeslehr- und Versuchsanstalt

Date / Time / Place	Thursday, 31 st January 2013, 11:15am, School, Room No. P437
Name of Workline	Workline A – Locomotive
Name of Workgroup	Loco 2

Representative workgroup member	[IE] John O’Neill
Co-representative workgroup member	[DE] Jorg Fritsch
Co-representative workgroup member	[AT-STP] Bernd Gutmann

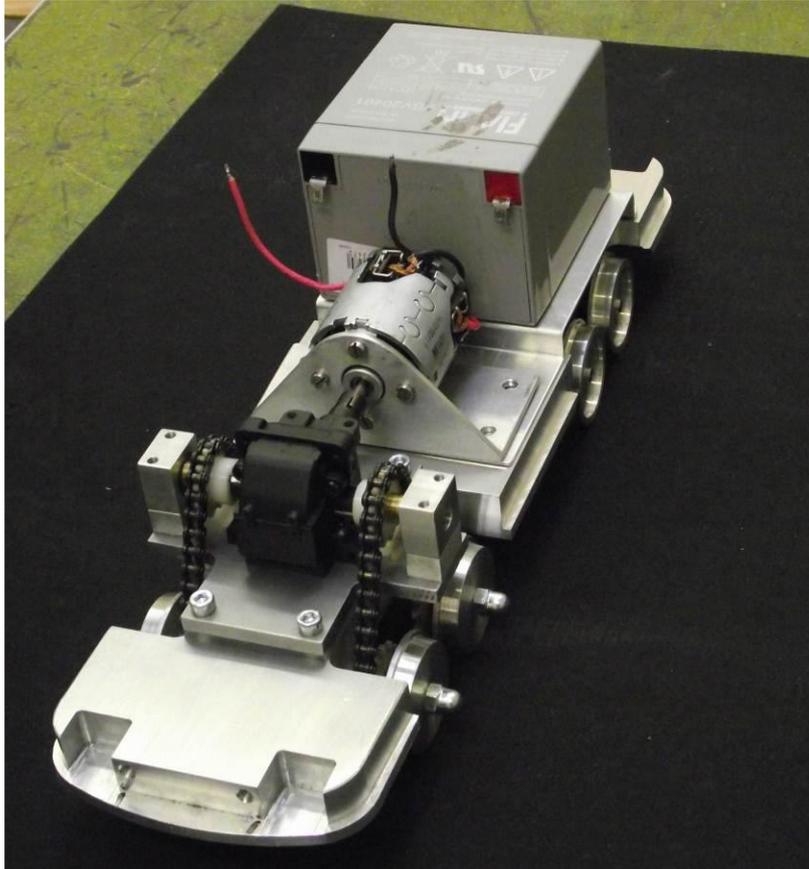
Further workgroup members	Teachers and Students from [AT-STP], [DE], [PT], [LT], [SI] & [HU]

Minute written by	[IE] John O’Neill
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Description of work progress: Topics / Tasks / Results / Decisions / Facts of importance	Responsible school(s) or person(s) incl. deadlines
<p>We opened the meeting with a display of the Loco parts we had agreed to produce, at the Kuopio meeting.</p> <p>These were:</p> <p>Chassis: Machined by CNC Milling from a single block of Aluminium.</p> <p>Differential & Drives: Recycled from a remote control car (RC).</p> <p>Front Bogie: Made by CNC Mill from a single Mild Steel block.</p> <p>Body: Design based on the RailJet as decided at the Lisbon meeting.</p> <p style="padding-left: 40px;">Produced by Vacuum Forming in Plexiglass.</p> <p>Wheels: Made by CNC Lathe to the general specification (not final).</p> <p>Motor: As chosen in Kuopio (245Nm Torque / 15,000 RPM)</p> <p>The students were invited to assemble the Loco parts, which they did. It was possible to see how the parts fitted and what the problems were.</p>	<p>[DE]</p> <p>[IE]</p> <p>[AT-STP]</p> <p>[PT]</p> <p>[LT]</p> <p>[HU]</p> <p>[SI]</p>

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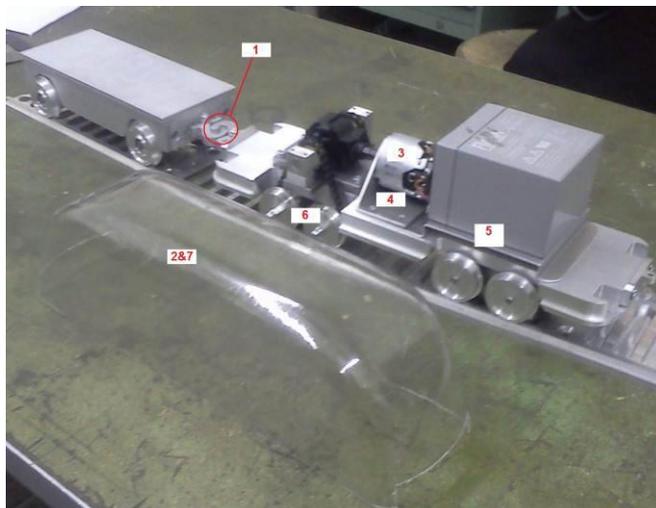


Assembled Loco 2

Problems:

1. The Couplings are 5mm too high.
2. There is only one Body (no spare).
3. The Motor needs speed control (electronics).
4. The Motor Mount requires locating/fixing.
5. The Battery must be secured on the platform.
6. The Wheels have to be made to the agreed specification.
7. The Body has to be painted.

These problems and further work will be discussed at the next meeting.



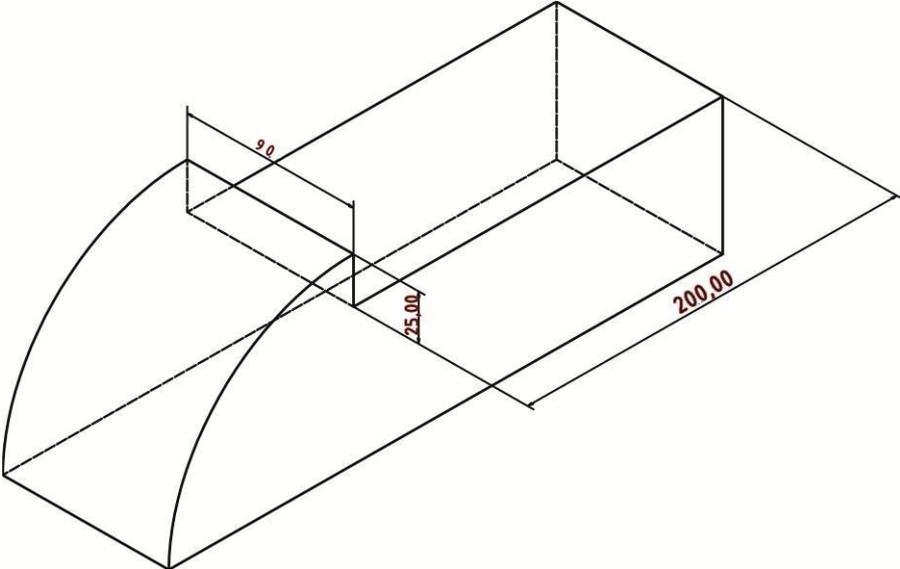
Meeting Description	Fifth Project Meeting in St. Pölten (Austria)
Meeting hosted by	Höhere Technische Bundeslehr- und Versuchsanstalt

Date / Time / Place	Friday, 1 st February 2013, School, Room No. P437
Name of Workline	Workline A – “Locomotive”
Name of Workgroup	Loco 2

Representative workgroup member	[IE] John O Neill
Co-representative workgroup member	[DE] Jörg Fritsch
Co-representative workgroup member	[AT-STP] Bernd Gutman

Further workgroup members	[PT] Nuno Moreira
	[PT] Paulo Carreira
	[PT] Joaquim Rocha
	[LT] Dalia Juroniene
	[LT] Saulius Mereckas
	[SI] Feliks Lednik
	[SI] Roman Zupane
	[SI] Leon Rehar
	[DE] David Konrad
	[DE] Jörg Fritsch
Minute written by	[DE] Sascha Emrich

Description of work progress: Topics / Tasks / Results / Decisions / Facts of importance	Responsible school(s) or person(s) incl. deadlines
<ul style="list-style-type: none"> - Wheels will be made by [HU] Hungary and sent to [AT-STP] - The locomotive will stay in St. Pölten - Because of new dimensions of the wagon the locomotive has to be changed → Anchor plate will be set 5mm deeper by milling the base plate - 45° angle cuts need to be added to the base plate on the back wheel frame till the middle frame as well as the radius on the corners needs to be rounded more to guarantee a better fitting of the cab - The fit of the axle and the wheels will then be checked and optimized if needed by adding sleeves - Also the running smoothness and the traction will be checked after adding an o-ring to the back wheels - Necessary weight will be added to the front or back if needed - Threads for fixing the cab will be done in advance, holes in the cab will be drilled on the final project meeting in Germany - A brass ring will be fitted between the front bogey and the underside of the chassis 	<p>[HU]</p> <p>[AT-STP]</p>

Description of work progress: Topics / Tasks / Results / Decisions / Facts of importance	Responsible school(s) or person(s) incl. deadlines
<ul style="list-style-type: none"> - Painting of the cab will be done by [PT] Portugal with the design of the "Railjet"- Train like decided before - Buffer holders will be changed to equal the height difference between wagons and locomotive - For the assembling of the needed parts under the cab will be empty space like shown in the sketch below: 	<p>[PT]</p> <p>[DE]</p>

Meeting Description	Fifth Project Meeting in St. Pölten (Austria)
Meeting hosted by	Höhere Technische Bundeslehr- und Versuchsanstalt

Date / Time / Place	Saturday, 2 nd February 2013, School, Room No. P437
Name of Workline	Workline A – “Locomotive”
Name of Workgroup	Loco2

Representative workgroup member	[IE] John O Neill
Co-representative workgroup member	[DE] Jörg Fritsch
Co-representative workgroup member	[AT-STP] Bernd Gutman

Further workgroup members	[PT] Nuno Moreira
	[PT] Paulo Carreira
	[PT] Joaquim Rocha
	[LT] Dalia Juroniene
	[LT] Saulius Mereckas
	[SI] Feliks Lednik
	[SI] Roman Zupane
[SI] Leon Rehar	
[DE] David Konrad	
[DE] Jörg Fritsch	
Minute written by	[DE] Sascha Emrich

Description of work progress: Topics / Tasks / Results / Decisions / Facts of importance	Responsible school(s) or person(s) incl. deadlines
<ul style="list-style-type: none"> - Chamfer need to be added to the fender to guarantee the steering range of the wheels - Also another Body is needed as spare part in case the paintjob will damage the synthetic material (material used was not exactly clear, in some case synthetic material will be destroyed by varnish) → therefore a new moulding is needed - The exact additional load will be determined when the train is complete, so the weights need to be brought to the final meeting → additional weight will also depend on the traction of the loco 	<p>[AT-STP]</p> <p>[LT]</p>