

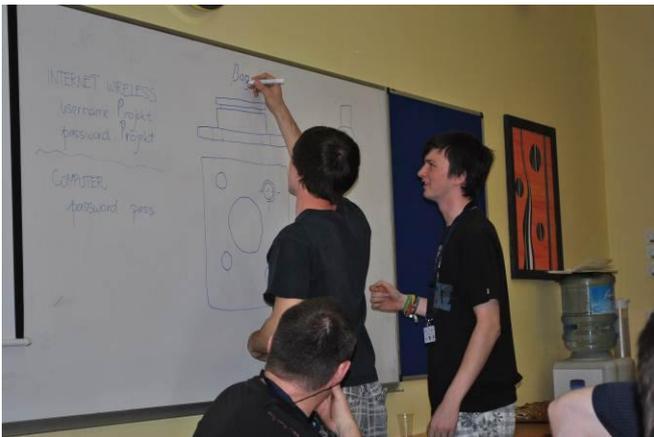
Meeting Description	Third Project Meeting in Celje (Slovenia)
Meeting hosted by	Šolski Center Celje - Srednja Šola za Strojništvo, Mehatroniko in Medije

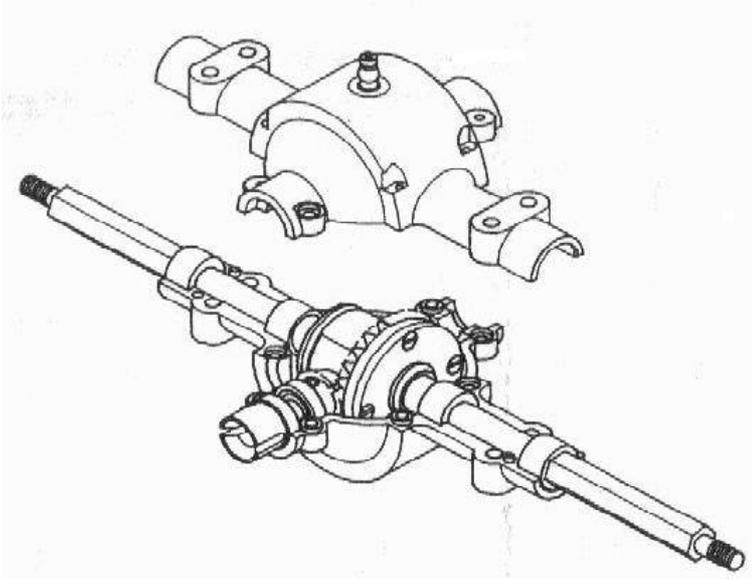
Date / Time / Place	Friday, 11 th May and Monday 14 th May, 2012
Name of Workline	Workline A – Locomotive
Name of Workgroup	Group 2

Representative workgroup member	[IE] John O’Neill
Co-representative workgroup member	[DE] Jorg Fritsch
Co-representative workgroup member	[PT] Joao Martins

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

Minute written by	[IE] Isla Hoe
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Description of work progress: Topics / Tasks / Results / Decisions / Facts of importance	Responsible school(s) or person(s) incl. deadlines
<p>The first thing we did was to look back at the minutes from the Lisbon meeting to see what stage we were supposed to be at. Every country had been allocated a job in order to progress the Loco2 further.</p> <p>The Chassis (frame) was discussed and a decision was made to make it from aluminium instead of steel. The reasons for this change are 1. Ease of production and 2. Weight provided by battery and motor. Prototype/drawings of the chassis are to be ready for the Finland meeting.</p> <p>The Bogies were being designed by Austria St Polten. They gave us a look at the drawings for the design.</p> 	[DE]

Description of work progress: Topics / Tasks / Results / Decisions / Facts of importance	Responsible school(s) or person(s) incl. deadlines
<p>The group agreed that it was a good design. Closer cooperation between [AT-STP] and [IE] will be necessary to get the differentials mounted on the bogies. Cooperation also with [DE] to get the bogie located in the chassis.</p> <p>The Differential(s) had been decided on in Lisbon but the need for these was again a question for this meeting. Having talked about the pros and cons for a while we put it to a vote. The result was 22 yes, 8 no. Therefore the diffs will be part of the design and Ireland will have samples for Finland meeting.</p>  <p>The Motor is being researched by Slovenia. They had the idea of a variable speed and maybe two gears e.g. a battery-powered drill motor. As the voltage is set at 12V it will be necessary to find a suitable drill motor like this. The resolution also says that the emphasis is on speed and power and this will also determine the type of motor used. Further research is to be done on this for the meeting in Finland.</p> <p>The Wheels will be researched and designed by Hungary. They will be different to the carriage wheels because the drive must be transmitted through them. The size, material, design, etc, can be unique as they do not form part of a common design (as with the common undercarriage). The number of wheels is thought to be 8 at this stage, 4 at the rear on 2 axles for driving and 4 at the front on 2 axles with bearings on a bogie. Hungary will look at these issues for Finland.</p> <p>The Housing or shell is the responsibility of Lithuania. The design is based on the RailJet as decided in Lisbon. We decided on an overall size of 400mm x 100mm. Lithuania to suggest a design for Finland.</p> <p>Overall Design is being overseen by Portugal. Their role was not clearly defined but it is expected that they will be the coordinating group to see that all the other parts come together.</p>	<p>[AT-STP]</p> <p>[IE]</p> <p>[SI]</p> <p>[HU]</p> <p>[LT]</p> <p>[PT]</p>