Exterior wrapping of a Stadler FLIRT DMU train

Eesti Liinirongid AS invites potential suppliers to submit quotations for the surface preparation and full exterior wrapping of one Stadler FLIRT DMU train (3-car unit; roof not wrapped apart from roof fairings) in Elron's design (existing design, unchanged). The work will be carried out as a pilot project, the results of which may be used to assess the solution for other Elron trains.

Scope of work:

- joint inspection of the train by Elron and the supplier before the work starts (condition of paint and existing decals), with photo documentation;
- removal of existing decals and adhesive residue;
- cleaning and preparation of the train's exterior surfaces;
- sanding, filling, priming and local painting where required to remove minor surface defects; any additional work found during the inspection (e.g. corrosion, larger paint damage, accident damage) shall be carried out only after Elron's written approval of a quotation with photos and shall be paid at the hourly rate stated in the quotation; freshly painted surfaces shall be wrapped only after the curing time specified by the paint manufacturer;
- full exterior wrapping of the train in Elron's design based on print-ready files supplied by Elron (vector data, colour references RAL/Pantone/CMYK); before production, a colour proof printed on the proposed film and laminate shall be approved by Elron;
- application of weather-resistant and anti-graffiti protection (anti-graffiti over-laminate forming one system with the print film);
- technical labels, passenger information pictograms and logos will be produced and applied by Elron after the wrapping is completed.
- provision of material documentation and maintenance and cleaning instructions (including the list of approved cleaning agents and graffiti removers), and a handover-acceptance certificate with photo documentation before and after the work.

The proposed materials shall be suitable for exterior use on railway rolling stock and resistant to weather, UV radiation, washing and graffiti. The print film and laminate shall be cast films (e.g. 3M or Avery Dennison, or equivalent), certified as a complete system according to EN 45545-2 (at least R7 HL2), and removable at the end of their service life without damaging the original paint. The work and materials shall have a minimum warranty of 8 years, calculated from the date of signing the handover-acceptance certificate. The warranty covers adhesion (no edge lifting, bubbles, cracking or shrinkage) and colour stability, provided the train is maintained according to the supplier's cleaning instructions; vandalism, third-party damage and pre-existing paint

defects are excluded. Defects shall be rectified within 14 working days from notification.

Acceptance criteria: at handover there shall be no edge lifting and no folds; bubbles in the wrapped areas max. Ø 2 mm (Ø 3 mm in less visible areas such as the area above the windows); film edges max. 1 mm from component edges; colours according to the approved colour proof. Acceptance is confirmed by a handover-acceptance certificate signed by both parties within 5 working days after completion.

Place and conditions of work: the work shall be carried out indoors in a heated, dry hall (min. +15 °C) with working platforms, lighting and power supply. Potential suppliers may inspect the train before submitting the quotation by appointment with indrek.kiis@elron.ee.

The quotation shall include: the total price for one pilot train (fixed price including removal of existing decals, standard surface preparation, material, printing, application, travel and accommodation), an hourly rate (EUR/h) for additional work according to the scope of work, the proposed location and schedule of the work, the maximum period during which the train will be unavailable for operation, warranty terms, the proposed materials (product names, technical data sheets, EN 45545-2 certificate for the film + laminate system), a description of the supplier's relevant previous experience and an indicative unit price for wrapping at least three trains.

Qualification requirements: previous experience in wrapping railway rolling stock or other public transport vehicles – at least one completed full exterior wrap of a rail vehicle since 1.1.2022 (customer name, contact person and photos) and availability of technical data sheets and conformity documents for the proposed materials.

Evaluation criterion: the lowest total price of a compliant quotation. The evaluated total price = price for the pilot train + 20 hours × the hourly rate for additional work.

A contract will be signed with the successful supplier, with a wrapping completion deadline of no later than W51, provided that the contract is signed by W45 and the train is made available for the work by W50 (lead time for materials and printing is approx. 3 weeks after the colour proof is approved).

Quotation submission deadline: 7.11.2026 at 15:00

Questions: questions may be sent to markus.pihlak@elron.ee and mariis.adamber@elron.ee no later than 3 working days before the submission deadline; answers will be sent to all potential suppliers.

Quotations shall be submitted electronically to: Mariis.Adamberg@elron.ee, kristo.mae@elron.ee, kristi.unt@elron.ee and Indrek.kiis@elron.ee