

MARKET CONSULTATION DOCUMENT

TLVO Combino Fleet

Date 12 March 2026

V1.0 definitive



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Reader's guide

This is the market consultation document for TLVO of the GVB Combino Fleet.

This document contains the following chapters:

Chapter 1: contains general information about GVB, about this market consultation and the timetable.

Chapter 2: contains the administrative conditions that apply to this market consultation.

Chapter 3: contains a brief description of the current situation and a vision for the future.

Chapter 4: contains GVB's questions for the market with regard to the market consultation.

Definitions

- Interested party: the participant in the market consultation

Abbreviations

- AVMS: Automatic Vehicle Management System



1 Introduction

GVB intends to hold a European tender for the procurement of services related to a Technical Life Extension Overhaul (TLVO) programme for part of the Combino tram fleet, with the objective of extending the operational service life of these vehicles.

In anticipation of this, GVB wishes to hold a consultation round with market parties. This document has been drawn up for this consultation round.

1.1 Publication

This market consultation is published through TenderNed, the Dutch procurement platform and also automatically published on Tenders Electronic Daily (TED). All provisions set forth in this publication remain applicable and can be requested from <http://ted.europa.eu> and www.tenderned.nl.

If you wish to remain informed about further publications regarding this market consultation, such as any Summaries of Additional Information and Changes, then you must register on TenderNed and add this market consultation to 'my tenders'. See also the manual for entrepreneurs on Tenderned.nl. You can also email the contact person (florian.oosterman@gvb.nl) for this market consultation. The market consultation document will be sent to you by email on request.

1.2 Definition of a market consultation

A market consultation is used to improve, assess and/or further detail the quality of the contract documents or programme of requirements and the procurement process.

By using the knowledge and skills of parties, a public organisation can assess a proposed project and the accompanying preconditions for accuracy, completeness and feasibility. This allows the feasibility of the project to be determined and the preconditions under which the project should be carried out to be established.

The market consultation is a separate process that is carried out prior to a formal tender process. The market consultation is not a call for participation and is not part of a pre-qualification procedure. The information from the market consultation can be used to create a good procurement process. By having a good procurement process the probability of a suitable offer for GVB is greater.

1.3 Client

This market consultation is carried out by GVB



GVB provides public transport by tram, bus, metro and ferry in and around Amsterdam. The organisation employs around 3,750 people. GVB transports passengers with 56 bus lines (of which 12 are night lines), 16 tramlines, 4 metro lines and 8 ferry connections. On average GVB carries out 740,000 passenger journeys daily. Passengers want to reach their destination on time, be informed and feel safe. The passengers are the key component in GVB's actions.

In addition to the operation, the management and maintenance of the equipment and the rail infrastructure in the city is in GVB's hands. Its own departments Railmaterieel and Rail Services take care of this.

GVB wants to see that its passengers and employees feel at home: in the means of transport, but also before and after the journey. That is why personal safety and up to date travel information are important, particularly in a busy metropolis such as Amsterdam. In addition to the means of transport, it is important that the environment is safe, clean and inviting.

For more information about GVB please visit our website: www.gvb.nl.

1.4 Aim of market consultation

The aim of this market consultation is:

- A. to involve interested parties in the set-up of the above tender and/or agreement at an early stage;
- B. to consult the market in relation to exploring the possibilities for TLVO;
- C. in addition to answering the questions raised, interested parties are also given the opportunity to submit suggestions and ideas.

GVB hopes by doing so that any tender organised and agreement entered into will be optimally tailored to the market.

1.5 Staging

The market consultation is divided into 2 stages:

- 1. A written response to the questions raised;
- 2. An oral explanation to the questions raised with the corresponding answers; this will be done by holding individual talks. See also article 1.7; this stage is optional and depends entirely on the outcome or conclusion based on the answers given to the questions raised.

1.6 Reserve

GVB proposes the following conditions that are automatically accepted by the interested party on participation in this consultation:

- A. GVB will not reimburse costs associated with this market consultation in any way;



- B. GVB reserves the right not to follow up on this market consultation;
- C. GVB reserves the right, depending on this consultation, to choose a procurement strategy that is right and appropriate for it.
- D. The information provided can be freely used by GVB.

1.7 Process market consultation

The announcement of this market consultation "TLVO Combino Fleet" with the corresponding documents was published in accordance with the timetable in section 1.8 through TenderNed and also automatically published on Tenders Electronic Daily (TED). This means all interested parties have the opportunity to take part in this market consultation.

Up until the time indicated in the timetable there is still a possibility to ask questions in writing to clarify the market consultation, of which a Summary of Additional Information and Changes will be drawn up.

GVB would then like to receive a written response to the questions, which are in the chapter "Market consultation questions". The answers to the questions can be submitted until the time as indicated in the timetable. Submissions should preferably be made via the messaging module in TenderNed or else by email to the contact person mentioned in section 2.1.

Following these written questions and/or comments, GVB can proceed to requesting further information. This can take place by written questions or consist of further meetings, but this is not a requirement.

Consultation with parties will focus on mutual exchange of information. The parties concerned can put forward their ideas on the matter of the market consultation. A confidential report will be drawn up of each meeting and submitted to the party in question for approval. GVB is not obliged to give detailed feedback to the participating parties.



In conclusion to the market consultation GVB will draw up an anonymised report outlining the findings. This report will also be published on TenderNed.nl. The findings ensue from the answers to questions raised and from the meetings held.

1.8 Market consultation timetable

The timetable for the market consultation procedure is shown here below. GVB has posted an announcement for this market consultation on TenderNed. This is the formal commencement of the market consultation.

GVB reserves the right to make changes to the timetable and/or to depart from it; in such cases, communication with all interested parties will take place via TenderNed

Stage	Milestone	Date
1	Publication of announcement	13-March 2026
2	Submit questions to clarify market consultation document	27-March 2026
3	Submit answers, ideas and comments	10-April 2026
4	Consultation rounds	13-May 2026

- 1) Stage 4 depends on the outcome and/or conclusion based on the answers to the questions raised.



2 Administrative conditions

2.1 Correspondence

The communication on this market consultation should always be in writing and take place via the messaging module in TenderNed or else by email to the contact person stating **TLVO Combino Fleet**

The following contact person from GVB has been appointed for this tender:
Purchasing Department

Attn.: Florian Oosterman, Senior Buyer
Postal address: Postbus 2131, 1000 CC Amsterdam
Physical address: Arlandaweg 106, 1043 HP Amsterdam
E-mail address: florian.oosterman@gvb.nl

2.2 Summary of Additional Information and Changes;

Any questions for clarification of this document can be submitted up until the time limit referred to in the timetable. For the submission of questions you should use the document in Annex 1 Standard Form for submission of questions.

These questions will be anonymised and answered in a Summary of Additional Information and Changes. GVB will post the Summary of Additional Information and Changes on TenderNed and it will be an integral part of the final report.

2.3 Same information

All parties have access to the same information. The publication of this market consultation and the accompanying documentation – market consultation document, Summary of Additional Information and Changes and the final report - are posted on TenderNed. In case of a call for tender the above documents will be shared with all the candidates.

2.4 Language

The language used in this market consultation will be English.

2.5 Rights

No rights can be derived from the information provided in the context of this market consultation. All oral and written communication should be seen as general possibilities for the procurement procedure and the approach by GVB.

2.6 Information provided

As indicated, GVB can use the information obtained from this market consultation to put the tender on the market. Therefore, all answers sent in by market parties in the context



of this market consultation become property of GVB. GVB may freely share this information. GVB would greatly appreciate it if all questions are answered.

2.7 Status information

The status of the information is **indicative**.

2.8 Reporting irregularities

If a participating market party believes that information and/or a provision in this market consultation document and/or other documents is incorrect, unlawful or otherwise irregular, then the participating market party must notify GVB in writing of the alleged inaccuracy, unlawfulness or irregularity within fifteen days after receipt of the relevant market consultation document.

If a participating market party fails to notify GVB in the required manner on time then this participating market party forfeits any right vis-à-vis GVB insofar as related to the alleged inaccuracy, unlawfulness or irregularity.

2.9 Priority of documents

This market consultation document will prevail in the event of conflict between the announcement of the market consultation and this market consultation document.

3 Current situation and Vision

3.1 Generic information

GVB currently operates a fleet of 155 Siemens Combino trams in Amsterdam. These vehicles have been accepted and started operations in 2002 – 2004. The fleet consists of 151 single-ended vehicles (type 13G) and 4 double-ended vehicles (type 14G).

Based on Strategic Asset Management Plans, GVB intends to extend the operational service life of 80 out of 155 vehicles with 10 additional years. This means that 75 vehicles will end operations in 2032 – 2034 and 80 vehicles will remain in operation until 2042 – 2044. These 80 vehicles will only comprise single-ended vehicles (type 13G).

GVB is conducting an extensive study to technical, operational and financial feasibility of a required overhaul in the Technical Life Extension Overhaul (TLVO) programme. As part of this programme and based on technical expertise, an overhaul plan is designed in which revision tasks have been defined to extend service life of 80 vehicles.

At this moment GVB is investigating possibilities to involve market parties in the engineering phase in the period 2027 to 2030 and in the actual execution of these tasks in the period 2030 - 2034. The latter will include both tasks which will be performed on the vehicles and tasks which can be performed in a(n) (external) workshop.

As described in section 1.4, one of the objective of this market consultation is to consult the market in relation to exploring the possibilities. The scope of work has been clustered into logical sets as described in section 3.2 and section 3.3.

Market parties are encouraged to thoroughly read the scope of work in the next sections and answer the questions related to this scope of work in Chapter 4.

3.2 Scope of work (clusters)

The scope of work related to the Technical Life Extension Overhaul (TLVO) of the Combino tram fleet has been separated into two categories and several distinct clusters.

The primary level of categorisation differentiates between overhaul activities to be executed directly on the vehicle and those to be performed off-vehicle, such as in a workshop environment.

The primary categorisation reads:

- A On-site support for overhaul activities directly on the vehicle
- B On of Off-side support for overhaul activities to be performed outside the vehicle

The secondary level of categorisation differentiates between logical clusters based on multiple criteria, including the type of activities (mechanical or electrotechnical), the

required level of expertise or certification, the complexity or difficulty of the tasks involved and activities related to specific technical systems, such as HVAC and bogies.

The secondary categorisation (clusters of tasks) reads:

- A1 Mechanical tasks which shall be performed on the vehicle
- A2 Electrotechnical tasks which shall be performed on the vehicle
- B1 Mechanical tasks related to the bogie system
- B2 Mechanical tasks related to the heating system
- B3 Mechanical tasks related to the HVAC system
- B4 Mechanical tasks which shall be performed outside the vehicle or in a dedicated workshop
- B5 Electrotechnical tasks which shall be performed outside the vehicle or in a dedicated workshop

3.3 Scope of work (tasks per cluster)

In this section the tasks within each cluster is described, including the recurrence of each task per vehicle.

Category A - On-site support for overhaul activities directly on the vehicle

Cluster A1 - Mechanical tasks:

A1 Mechanical tasks which shall be performed on the vehicle		
Underframe / Carbody	Repair cracks (if found during inspection)	5 coaches / vehicle
Roof	Waterproofing, replace/repair seals	5 coaches / vehicle
Floor	Replace floor	5 coaches / vehicle
	Replace threshold strip / anti-slip at doorway	5 coaches / vehicle
Driver's seat	Corrosion repair of seat frame	1 driver's seat / vehicle
Conductor's seat	Corrosion repair of seat frame	1 conductor's seat / vehicle
Air ducts	Clean air intake/exhaust ducts	2 air ducts for HVAC / vehicle

Cluster A2 - Electrotechnical tasks:

A2 Electrotechnical tasks which shall be performed on the vehicle		
SIBAS (central processing unit)	Install additional 686 CPUs (30–50 vehicles)	1 CPU / vehicles (scope limited to 50 vehicles)
	Replace SIBAS units and clip stations	5 Clip stations / vehicle

VECOM (remote switch control system)	Replace VECOM system	1 VECOM system / vehicle
Electrical cabinets	Replace relays	40 relays (approx.) to be replaced / vehicle
Electrical wiring	Partial wiring replacement	(scope to be specified later)

Category B - On of Off-side support for overhaul activities to be performed outside the vehicle

Cluster B1 - Bogie-related tasks:

B1 Mechanical tasks related to the bogie system		
Axle bearings	Replace bearings of motor bogies 1 and 2	2 x 4 bearings / vehicle
	Replace bearings of running bogie	4 bearings / vehicle
Primary suspension	Replace primary suspension	3 x 4 suspension coils / vehicle
	Replace shock absorbers	3 x 4 shock absorbers / vehicle
Return current brush	Replace bonding braid(s)	8 bonding braids / vehicle
Wheel axle	Build up axle material (metal build-up/overlay)	12 axles / vehicle
Wheels	Wheel maintenance (eliminating wheel defects)	12 wheels / vehicle

Cluster B2 - Heating system-related tasks:

B2 Mechanical tasks related to the heating system		
Heating and ventilation system (passengers)	Replace insulation of heating units	2 heating units / vehicle
	Replace heating relays and heating control	2 heating units / vehicle

Cluster B3 - HVAC-related tasks:

B3 Mechanical tasks related to the HVAC system		
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HVAC (Driver and Conductor)	Overhaul of air-conditioning system	2 HVAC systems / vehicle
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Please note that for this tasks a 'STEK-certification' is required due to working with coolants in the HVAC system.

Cluster B4 - Mechanical tasks:

B4 Mechanical tasks which shall be performed outside the vehicle or in a dedicated workshop		
Seats	Corrosion repair of seat frames	29 seat frames / vehicle
Entrance / Interior	Replace/overhaul folding gates	7 folding gates / vehicle
Windscreen wipers	Overhaul wiper system	1 wiper system / vehicle
Mirrors	Overhaul external mirror	2 mirrors / vehicle
Sanding equipment	Maintain sanding system	4 sanding systems / vehicle
Flange lubrication	Maintain flange lubrication system	1 flange lubrication system / vehicle
Intercom	Maintain intercom system	1 intercom system (2 mics, power unit, speakers) / vehicle
Coupling system	Overhaul or replace coupler	2 couplers / vehicle
Foot switches	Maintain footplate/foot switch assembly	1 footplate with switch assembly / vehicle

Cluster B5 - Electrotechnical tasks:

B5 Electrotechnical tasks which shall be performed outside the vehicle or in a dedicated workshop		
Main switch	Overhaul main switch	1 main switch (in pantograph cabinet) / vehicle
Line switch	Overhaul line switch	2 line switches (in central cabinets) / vehicle
Traction converter	Overhaul converter	2 traction converters (in central cabinets) / vehicle
HBU converter	Overhaul converter	2 HBU converters (in central cabinets) / vehicle



4 Market consultation questions

Please answer the following questions. They refer to various matters. First of all, GVB would like to receive information about your company and the market, consisting of contact information and general information. In addition, GVB would like answers to the specific questions asked. Lastly, you will be offered the opportunity to submit any comments and/or suggestions. It is not obligatory to answer all questions, but complete responses will be highly appreciated. GVB believes that complete responses will help it correctly formulate the contract and programme of requirements for any tender. We do stress once again that the answers to the questions here below will not be used to select suppliers. The structured questionnaire is intended to select similar answers from different suppliers. Comments on the questions are very welcome and please suggest alternatives where you believe this is necessary.

Contact information		
1.	Official name of your organisation	
2.	Physical address of your organisation	
3.	Postal address of your organisation	
4.	Name of contact person for this RFI	
5.	Contact person's email	
6.	Contact person's telephone number	
7.	Registration number Chamber of Commerce	

General business and market information <zelf bepalen wat nodig is>		
1.	Parent company Is your company part of a larger umbrella company? If so, which company? (address details optional)	
2.	Date of incorporation On what date was your company incorporated?	
3.	Number of employees How many employees does your company have broken down into direct and indirect staff?	
4.	Products, services What products and services does your company supply?	
5.	Quality Assurance Management System	

	Does the company have a quality assurance management system? If so, according to what standard?	
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Specific questions market consultation	
No.	Question
	Technical & execution approach
1.	Based on your experience, does the proposed separation between scope of work in categories A and B, and subsequent clusters, seem logical and feasible?
2.	Based on you answer to question 1, do you have any suggestions for the proposed clusters or activities within the clusters?
3.	Based on you answer to question 1, which risks do you identify in the mutual relation between clusters?
4.	Which systems, subsystems or components typically require OEM involvement or specialist engineering in a TLVO programme?
5.	Based on your experience, which activities do you consider most important / critical for TLVO?
	Scope of work – cluster A (on-site support)
6.	What knowledge and experience does your organization have concerning (dis)assembly and retrofit activities in light rail rolling stock (trams/metro)?
7.	What knowledge and experience does your organization have concerning (aluminum) carbody repairs?
8.	Does your staff have experience working in a Maintenance Depot environment on light rail rolling stock?
9.	Which certificates or qualifications related to the scope of work are available (i.e. VCA, NEN3140 certification, ISO 9606 certification)?
	Scope of work – cluster B (off-site support / revision activities)
10.	What knowledge and experience does your organization have concerning revision activities (mechanical, electrical work, etc.)?
11.	Does your organisation have necessary tools and/or equipment required for revision activities (i.e. testing facilities, measuring equipment, diagnostic tools)? Please specify for the specific clusters.
12.	What is your experience with revision activities based on OEM-specifications or EN-standards?
13.	How does you organisation arrange for logistics of systems and components between locations?
14.	How does you organisation ensures tractability of parts and revision work (i.e. procedural agreements, reports, certificates)
15.	Which quality management system do you use within your organisation?
	Organisation & role division

16.	Which role(s) could your organisation fulfil in a TLVO programme (e.g. main contractor, specialist subcontractor, engineering partner, capacity support)?
17.	Would your organisation be interested to fullfill a role as engineering partner in cluster(s) A1, A2, B1, B2, B3, B4 and/or B5)? Please specify for the specific clusters.
18.	Would your organisation be interested to execute the scope of work for capacity support in cluster(s) A1 and/or A2? Please specify for the specific clusters.
19.	Would your organisation be interested to execute the scope of work as a specialist subcontractor in cluster(s) B1, B2, B3, B4 and/or B5? Please specify for the specific clusters.
20.	How would you organise cooperation with GVB's in-house maintenance organisation during execution of TLVO activities?
21.	What is your experience with hybrid execution models combining in-house resources of the asset owner with external specialists or contractors?
	Contracting
22.	What are, in your view, the main advantages and disadvantages of a single integrated contract versus multiple specialized contracts for a TLVO programme?
23.	Could you provide price ranges for different scenario's in scope of work and overhaul locations? Please specify for the specific clusters.
	Risks & Constrains
24.	What do you consider the main technical, logistical or organizational risks in a TLVO programme of this nature?
25.	Which conditions are critical for achieving a successful life extension (e.g. documentation quality, spare parts availability, fleet availability)?
26.	What typical lead times, capacity constraints or bottlenecks should GVB take into account when planning a TLVO programme?
27.	Are there any dependencies (such as documentation, component lead times, OEM instructions) that you identify as critical for the scope of work?
	Market Interest
28.	Is your organisation interested in participating in a potential future tender related to this TLVO programme?
29.	Would your organisation participate independently or in cooperation with partners or subcontractors?
30.	Under which conditions would participation in such a TLVO programme be attractive or unattractive for your organisation?
	Nice to haves
31.	Which upgrades or modifications would you advise with a positive business case based on lower energy consumption? i.e. adding passenger cabin HVAC.



Any comments and/or suggestions	
No.	
1.	
2.	
3.	
4.	
5.	
6.	
7.	



Annex 1 Standard form submission of questions

Any questions and/or comments should be submitted using the table here below by message on TenderNed.

No.	Document	Page no.	Subject	Question