



Rijkswaterstaat
Ministerie van Infrastructuur en Waterstaat

Information meeting

Tender Debiet ADM

(ADM: The (Dutch) abbreviation is maintained in the English for the name of acoustic flow meter.)

RWS CIV IGA RDD Team Buiten

February 23rd 2026



Agenda

1. Welcome and introduction
2. Purpose information meeting
3. Project context
4. Tender procedure, documents, planning
5. Required sensors and services
6. Contract context
7. The Award criteria
8. Tender Application
9. Questions & closure



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Welcome and introduction



Purpose of this information meeting

- Guide you through the Tender procedure and the documents
- Enlighten you about the scope
- Explain the technical requirements
- Inform you about the award criteria
- Challenge you to clarify our Tender
- Motivate you to submit your Application on 23rd of March 2026



Questions during this meeting

- Questions are now being answered provisionally
- Do not derive any rights from an oral answer
- Questions and answers have legal status via TenderNed
- Clarification but no discussion
- Questions in TenderNed become part of binding Q&A (NvI)

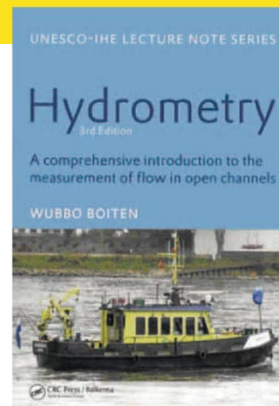


Project context

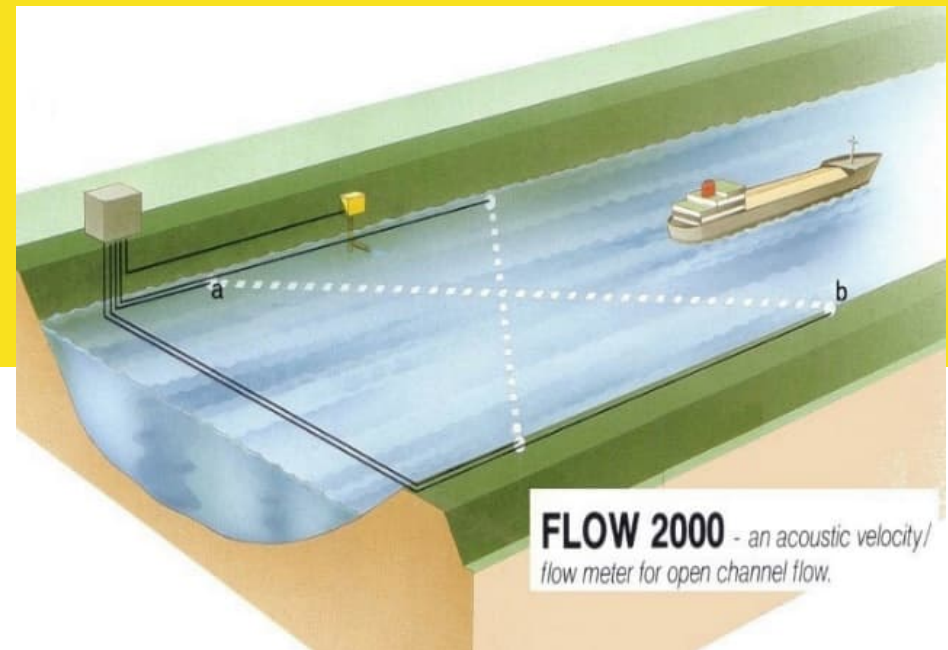
Step 1: $v = f(v_i, h)$

Step 2: $A = f(h)$

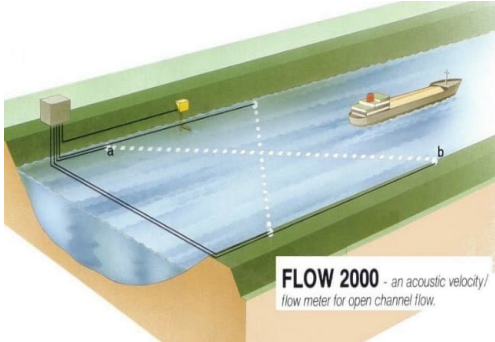
Step 3: $Q = A \cdot v$



NEN ISO 6416 page 17



Discharge



Numbers ADM: 8



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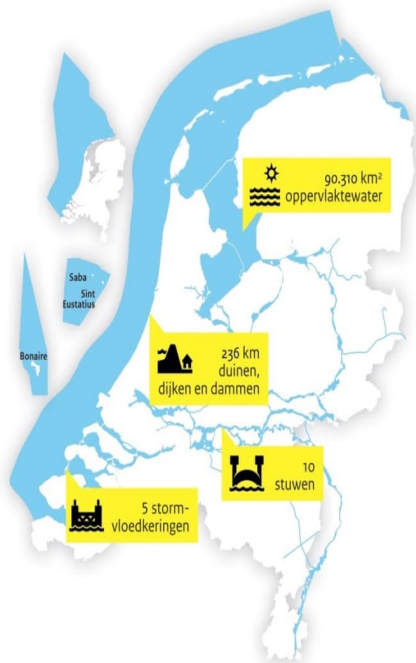
Rijkswaterstaat is the executive agency of the Dutch Ministry of Infrastructure and Water Management, dedicated to promote safety, mobility and the quality of life.



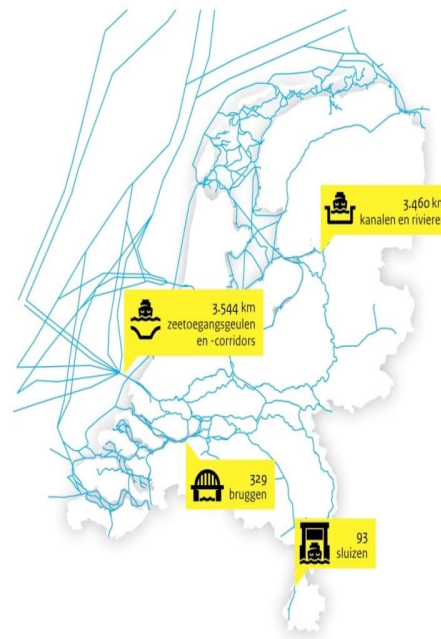


Rijkswaterstaat principal networks

Dutch National Water Monitoring Network (LMW) is used to provide information for the Main Water System and Main Waterways Network



Main Water System



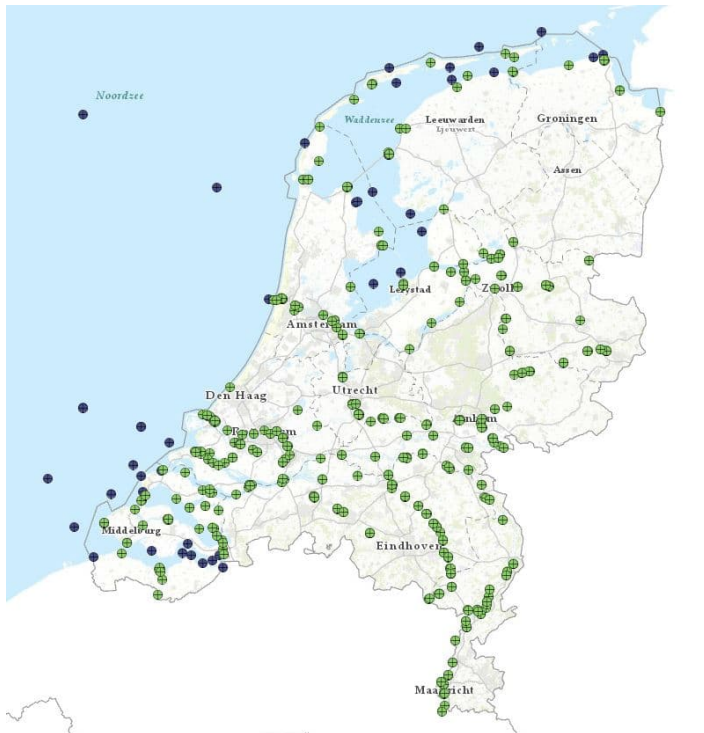
Main Waterways Network



Main Road Network



National Water Monitoring Network (LMW)



523 installation locations within the Netherlands: On and/or along the major rivers, large lakes, canals, Zeeland delta, Wadden Sea, North Sea and host locations

Measuring:

- Water levels
- Water quantity
- Water quality
- Weather data
- Condition of objects



Users of LMW

The LMW supplies data to, among others:

- Storm surge barriers including Oosterscheldekering and Maeslantkering
- Storm Surge Warning Service (SVSD)
- Hydro-Meteo Centers
- Municipal Port Authorities
- Coast Guard
- Locks and weirs (water manager)
- Water boards
- Projects and long-term statistics





LMW is managed in 2 types of contracts

Sensor contractors (this tender for Debiet LMW)

- Supply of sensors, preventive maintenance (if required) and corrective maintenance of the sensor 'in the workshop'.

Site maintenance contractors

- On-site work. Maintenance of the complete measurement set-ups on site; this includes civil engineering maintenance and the 'primary sensor maintenance': installation, regular cleaning and sensor replacement in case of failure.



Scope in short

- Guarantee the availability of flow meters and discharge relation for our Dutch National Water Monitoring Network for the next 15 years
- Guarantee of continuity through corrective maintenance
- Guarantee of qualitative performance through support in the deployment and training
- Aiming for sustainable impact
- Scope is ADM (Acoustic Flow Meters: Transit time method/Looptijdmeter in NL)



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Tender procedure & planning



Modifications in Tender Debiet ADM

Compared to the Tender Debiet LMW published on February 14th 2025 the following changes are significant:

1. H-ADCP is not included in this tender;
2. Completion of the ADM suitability requirements will be 6 years (instead of 3 years) prior to the publication date of this tender;
3. Testing, installation, and operational delivery of the first ADM;
4. Social Return via the 'RWS Groeituin' has been removed from the Sustainability quality criterion due to the complexity of a potential tender from a foreign party.



Procurement procedure

- Purchase conditions, rules and policy
 - European open tender procedure according to the 2012 Public Procurement Act
 - General contractual conditions: ARBIT 2022
- Tender
 - Use formats, ensure completeness, ask questions
 - Communication exclusively via TenderNed
 - Submit your proposal preferably with qualified digital signature
- Award
 - Best price-quality ratio criteria
 - The most economically advantageous tender based on the lowest notional tender sum
 - Therefore quality aspects also valued in euros



TenderNed

TenderNed
Marktplaatsplein
voor aanbestedingen

- Use of TenderNed is mandatory
- Do you have a question about the use of TenderNed? Then first view the [frequently asked questions](#)
- The service desk is available on workdays from 8.30 a.m. to 5 p.m. via the number 0800-8363376 (free) or (calling from abroad) +31 70 379 88 99 or servicedesk@TenderNed.nl



Applicable language

Contract:

- contract in Dutch
- communication with contract advisor preferably in Dutch
- *Dutch is leading*

Tender:

- communication in Dutch & English
(market consultation, information meeting)
- mandatory use of TenderNed in Dutch & English
- *submitting Tender in Dutch or English*

RWS Translation? Informal English documents



Requirements pertaining to the Tenderer (chapter 4)

Annex 5 'Statement of Agreement': Qualified (electronic) signature (s) for Tenderer and for Combinations.

Excerpt from the professional or commercial register: recent and current (maximum six months old). The legal validity of the signatory must appear from the deduction set. Also in Combinations.

Annex 6 'European Single Procurement Document' (UEA): for Tenderer and for Combinations. In addition, also an ESPD of a third party ("Manufacturer") when an appeal is made to demonstrate a core competence. Before the award decision RWS will ask:

- Certificate of Conduct for Procurement
- A Declaration of Payment Behaviour compliant with tax obligations of the Tax Administration



Requirements pertaining to the Tenderer (chapter 4)

Annex 7 'Reference Statement' for ADM: Core competence 1: Calibration in accordance with ISO6416; must be demonstrated by way of: Reference and a calibration report. The reference contract must have been performed or completed within the last SIX years preceding the publication date of this call for tenders on TenderNed. Fill in the format Reference Statement with contact details of the organization that can confirm the competence.

Core competence 1: *Calibration in accordance with ISO6416*

Core Competence 1 includes the following elements that will be included in the assessment:

- *Calibration of one or more ADMs in accordance with ISO6416 for discharge*
- *The maximum discharge deviation is 10% with a minimum of 1 m³/s*
- *The calibration occurred in comparable open water systems: canals or rivers with a minimum width of 100 m.*

Core competence 1 must be demonstrated by way of:

- *Reference and a calibration report*

Annex 8 Technical Information Form: Including product leaflets or datasheets of the type of ADM.



Planning

Date	Event
2 February 2026	Publication of the contract notice; start of the period for submitting tenders
23 February 2026	Information meetings via Teams (in English) from 14:00–15:30 hours
5 March 2026	Deadline for the Tenderer to submit questions about the Tender Documents
10 March 2026	Publication of the Summary of Additional Information and Changes
23 March 2026 at 12:00 hours	Deadline date and time for the submission and receipt of Tender Applications
23 March 2026 – 15 April 2026	Assessment of Tender Applications
16 April 2026	Sending of the award decision notice
6 May 2026	Deadline for bringing an application for preliminary relief relating to the award decision notice
7 May 2026	Commencement date of ADM Agreement



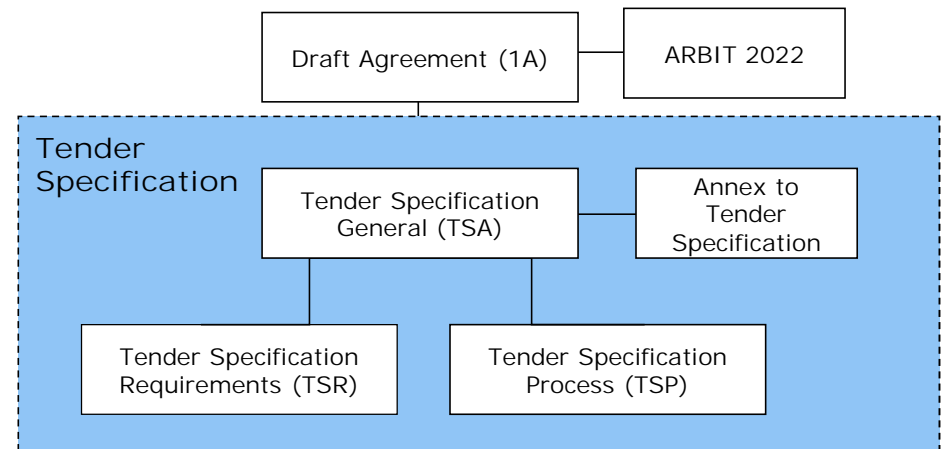
Tender documents: how to read

Descriptive Document

- Annex 1A: ADM Lot Draft Agreement
- Annex 2A: ADM Lot Quality Criteria Format
- Annex 3A: ADM Lot Quotation Form
- Annex 4A: ADM Lot BPQR Calculation Sheet
- Annex 8A: Technical Information Form ADM
- Annex 5: Statement of Agreement
- Annex 6: European Single Procurement Document
- Annex 7: Reference Statement
- Annex 10: General Government Terms and Conditions for IT Contracts 2022 (ARBIT-2022)
- Annex 11: Policy Document on Separation of Interests
- Annex 12: 'Electronic invoicing to Central Government' brochure

Contract (9A)

(article 2.2 of the Contract including the Summary of Additional Information and Changes)



Annex to Tender Specification: A, B, C, D, E, F, G, H, I, J, K en L

Tender Specification Process includes separate TSP OL040 because it had non editable diagrams



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Required sensors and services

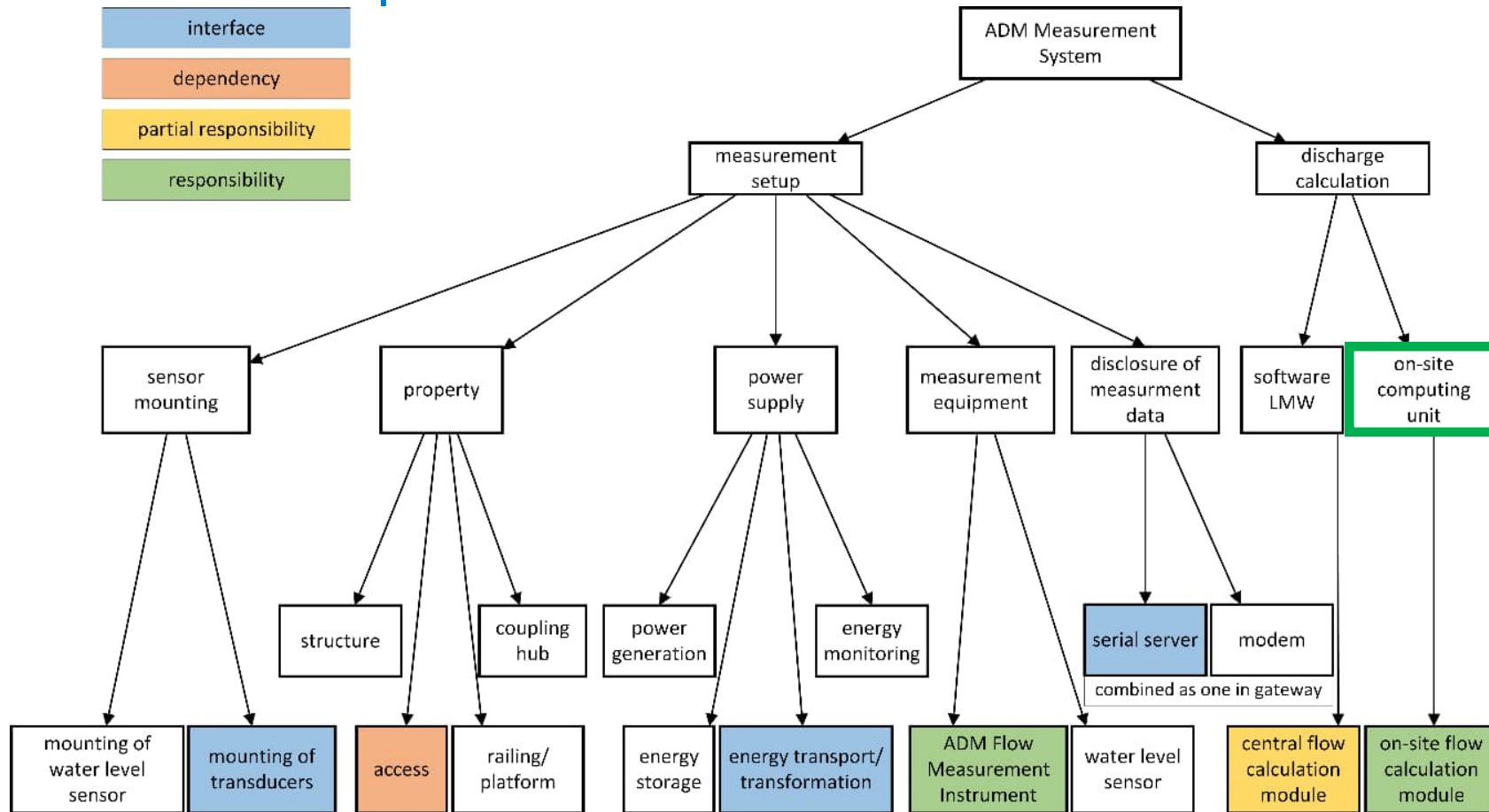
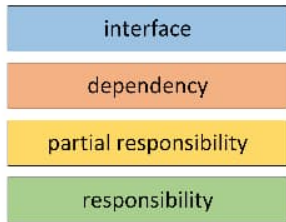


Technical scope

- In scope is:
 - ADM (Acoustic Flow Meter)
 - 4 transducers, or a multiple of that if there are several measurement planes;
 - a computing unit;
 - cables between the computing unit and the transducers;
 - transponder (at some ADM Measurement Sites).
 - Calibration of the Measurement Site: quality of the data.
 - Alignment check of LMW's M&S Contractor
 - Discharge relation per Measurement site
 - method of choice, in accordance with ISO 6416
 - Adjustment if RWS finds a discrepancy with reference measurements.
 - Elements in the data message
 - Support (including training to RWS and LMW M&S contractor)



Technical scope





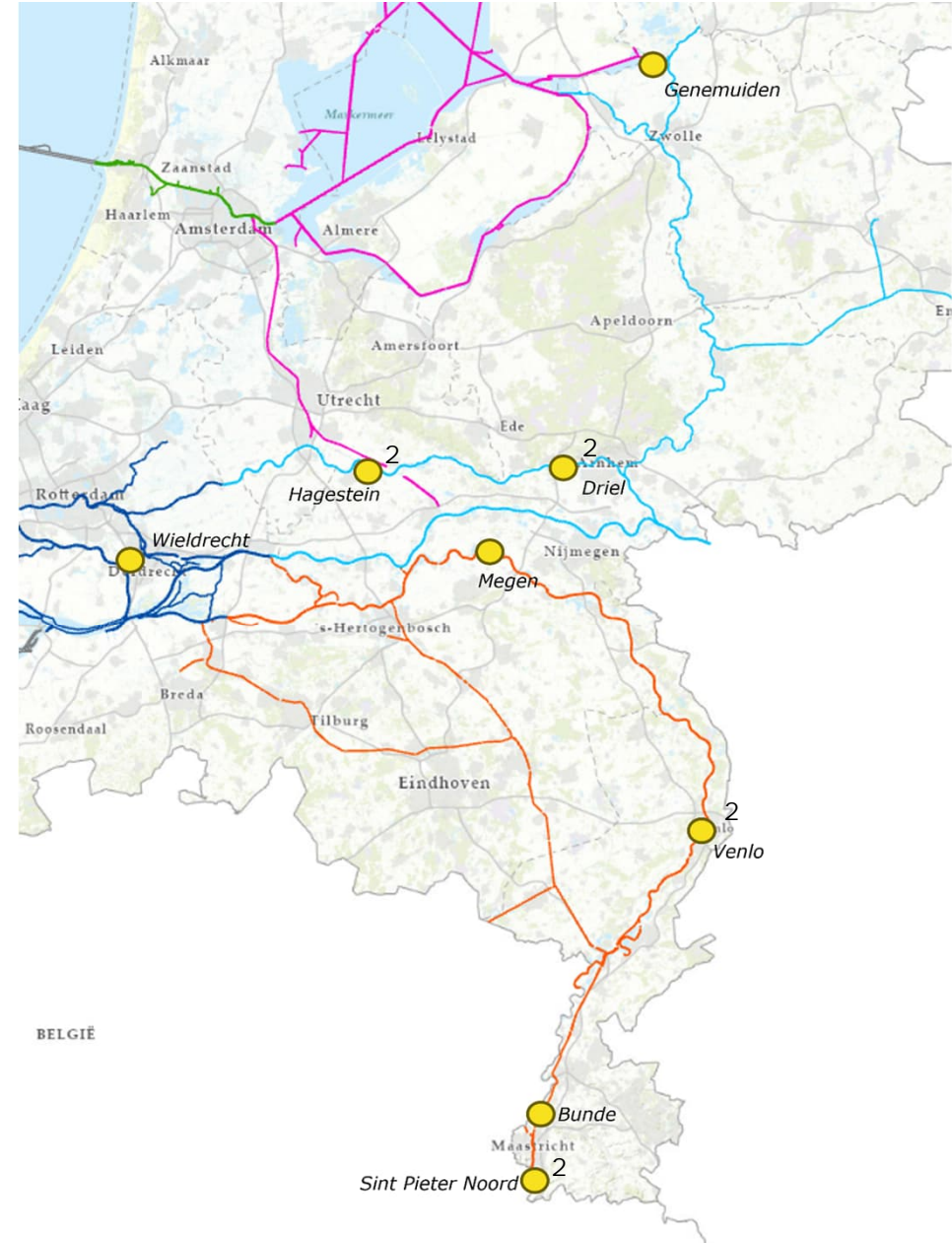
Technical scope

- Out of scope:
 - Data communication while 'in service'
 - Preventive maintenance (through instruction for M&S contractor)
 - Construction (through instruction for M&S contractor), except for the first realisation at Sint Pieter.



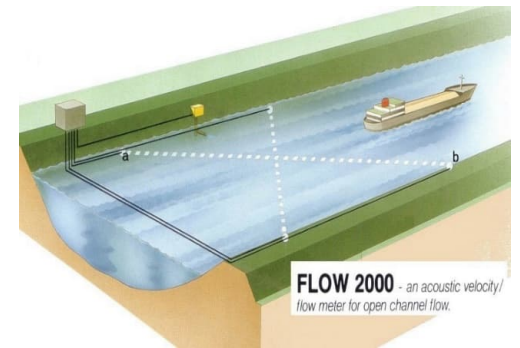
Measurement sites in scope

- Initial:
 - 8 Measurement sites
 - 7 for discharge and flow velocity
 - 1 for flow velocity (tidal site)
 - 1 canal (regulated water level / low discharge)
 - 7 rivers (high variation discharge)
 - in first 3 years:
 - Honeywell ADM replacement
- Optional: 10 Measurement sites in contract





General product requirements (TSR)



Requirement ADM.020:

- A measurement plane consists of two measurement paths, i.e. a total of four transducers;
 - one Measurement Path aligned with the flow direction and one Measurement Path oriented against the flow direction
- It must be possible to supply the ADM Flow Measurement Instrument with both a transducer frequency of 200 kHz and a frequency ≤ 100 kHz. See Annex C for required 100 kHz or lower frequency.
- It must be possible to install the ADM Flow Measurement Instrument with and without a transponder; see Annex C for the locations with transponder.
- The connection between the computing unit, the transducers, and—when a transponder is used—the street cabinet on the opposite riverbank must consist of cables.
- The cables between the computing unit and the transducers must consist of two parts, interrupted by a coupling in what is known as the coupling hub. RWS calls the cable that runs from the computing unit to the coupling hub the 'ground signal cable' and the cable that runs from the coupling hub to the transducer the 'transducer cable'.
- It must be possible to supply the ADM Flow Measurement Instrument with variable cable lengths to suit the ADM Measurement Sites ;
- New ground signal cables must be sheathed/armoured and have a minimum technical service life of 40 years;
- New and existing ground signal cables must be connected to transducer cables with watertight couplings;
- Various error codes must be visible at the ADM Measurement Site to enable a thorough fault analysis at the ADM Measurement Site.



Annex C.

- Section A: Local conditions → environment.
- Section B: Measuring Site
 - Flow velocity and/or discharge
 - Coordinates and length of measurement plane
- Section C: Hydrological data
 - For information merely
- Section D: Measuring range
 - Required ranges in which requirements in TSR must be met.
- Section E: Equipment and accessories
 - Required frequency, transponder, estimated cable lengths.

8.	Lowest recorded water level (LLW)	meters
D. Measuring range		
Nr.	Description	Unit
1.	Highest water level to be measured	meters
2.	Lowest water level to be measured	meters
3.	Maximum recorded flow velocity	metres
4.	Lowest recorded flow velocity (if negative: -x)	metres
5.	Maximum discharge to be measured at water level	meters
6.	Minimum discharge to be measured at water level (if negative: -x)	meters
7.	Number of low-frequency classes at the lower flow limit	numbe
8.	Number of high-frequency classes at the range of the flow	numbe
9.	Number of low-frequency classes at the upper flow limit	numbe
E. Equipment and accessories (only for ADM)		
Nr.	Description	Unit
1.	Measurement frequency/frequencies	kHz
2.	Transponder	yes/no
3.	Max/min cable length from collection station/transponder to coupling hub near transducer	m / m
F. Situation sketch		

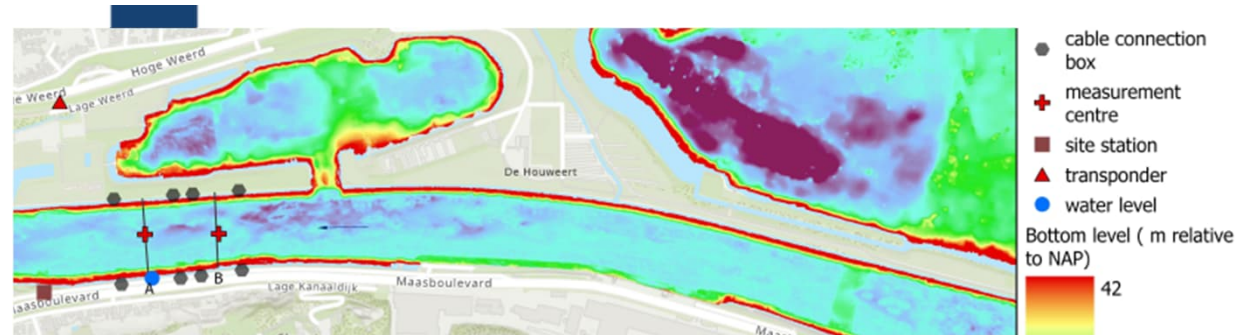


Other requirements (TSR)

- Functional requirement: Accuracy of current velocity and flow-rate (discharge). There is dependency on the quality of water level data and bed level provided by RWS. And RWS will – at some point in future – perform the calculation in-house instead of on-site.
- Flow message: ADM.044 and ADM.240 are complementary. ADM.240 is more explicit.
- Connections and protocols to communicate with the 'RWS-Gateway' are for both the input water level as well as the output discharge
- One error: both messages will (need to) be sent with 10s interval.



First realisation /execution, done by ADM contractor



- Concerns one Measurement Plane at Measurement Site Sint Pieter, and not two. RWS will keep the other plane in operation, and as well the measurement with H-ADCP.
- Replacement has to be done such, that in case of failure the old system can be reinstated. Parts of the Honeywell system must be treated carefully and left in place.
- This realisation/execution will remain in test status until four weeks of undisturbed good data is received and processed in the LMW data centre. To achieve this a maximum period of 16 weeks is foreseen, in which maybe partly response time by RWS is included. Thereafter the Measurement Site will remain with one Honeywell ADM, one new ADM and one H-ADCP until after high water season.
- We do not foresee construction works, as the permit phase(s) are too long for the timeline considered. High water season has to be avoided.
- On closing the contract, direct action is needed (Annex E – planning).

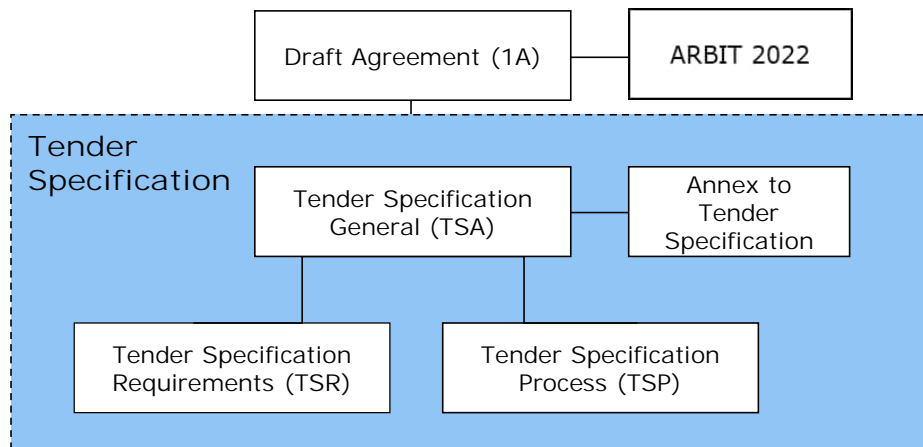


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Contract context



Draft Agreement



- Article 2.2 of the Contract including the Summary of Additional Information and Changes
- Annex to Tender Specification: A, B, C, D, E, F, G, H, I, J, K en L
- Tender Specification Process includes separate TSP OL040 because it had non editable diagrams



General introduction Terms and Conditions for IT-Contracts 2022 (ARBIT 2022)

Duty of inquiry and disclosure in article 4

4.1. To determine the use which the Contracting Authority intends to make of the Deliverable the Counterparty must sufficiently acquaint itself with:

- a. the objectives of the Contracting Authority ("Client") in concluding the Contract;
- b. the organisation of the Contracting Authority ("Client") in so far as relevant to the Contract



ARBIT-2022 Draft Agreement

Fee

After January 1, 2028, the agreed Fees will be adjusted once a year on January 1.

Products are adjusted with an annual change percentage up to a maximum of the ['CBS price index figure Producer price index \(PPI\) PRODCOM C 26 Computer products, electronics'](#). The monthly figure of the previous month <xxxx> is always used, according to the calculation method below: $(\text{index figure [new month]} - \text{index figure [old month]}) / \text{index figure [old month]} \times 100\%$.



ARBIT-2022 Draft Agreement

Fee discounts or “rebate”

If the Performance does not meet the Service levels as a result of an attributable shortcoming on the part of the Other Party, a discount will be applied to the Fee.

If the Performance is not completed or delivered on the agreed date as a result of an attributable shortcoming on the part of the Other Party, an amount of 1% will be deducted from the Fee for each day that the delay in the completion or delivery continues, up to a maximum of 25%.

If the Installed or Delivered Performance is rejected by the Client, an amount of 1% will be deducted from the Fee for each day that the identified Defects are not repaired, up to a maximum of 25%.



ARBIT-2022 Draft Agreement

In addition to Article 23 of the Conditions, if the Other Party wishes to use the services of third parties in the performance of the Agreement, either in subcontracting, or by hiring personnel, he will only be authorized to do so after obtained written permission from the Client. The Client may refuse this permission in any case (but not limited to the cases below) if:

- a) there may be a risk that data will end up with persons or organizations in countries with laws that allow the intelligence services of these countries can view data;
- b) a strong (strategic) dependence may arise on a foreign entity government-controlled market party or its subcontractors, which in the event of a conflict there is a possibility that the Client may come under pressure from the Other Party;
- c) The possibility of espionage arises or increases.



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Tender process



Summary award criteria

- Best price-quality ratio criteria
- The most economically advantageous tender based on the lowest notional tender sum
- Therefore quality aspects also valued in euros



ADM

Contract awarding criteria and sub-award criteria	Sub-criterion	Maximum bonus	Share
1. Technical aspects	1.1. Remote alignment (without physical adjustment to the structure)	€ 35,000	10%
	1.2 Configuration and monitoring through the data port	€ 35,000	
	1.3 Transmission frequency <100 kHz	€ 20,000	
2. Sustainability	2.1 Reusing bamboo coaxial cable	€ 200,000	30%
	2.2 Aspects in the chain	€ 70,000	
3. Price	Total price		60%



Technical aspects

- Remote alignment:
 - This can be a structural design or part of the instrument. And should be applicable to a transducer placed on a slope.
- Configuration and monitoring through the data port:
 - Connection must comply with requirements for protocols and IT_facilities
- Transducer frequency < 100 kHz
 - Added value for two measurement site
 - If a < 100 kHz transducer is offered, its price must be used at sites Wieldrecht and Sint Pieter Noord in the quotation form



Sustainability: Reusing bamboo coaxial cable

- The ground cable between the computing unit and the coupling hub is a Bamboo 6 coaxial.
- If existing cable can be integrated into the offered system 100% is awarded.
- Note: In the quotation form the price for all cables must be included, regardless whether this criterium is met.



Sustainability: Aspects in the chain

- Award depends on the effort the Tenderer wants to put in transparency of the chain. Tenderer can be bind legally in two ways:
 - 1. Supply Chain Contract text A ->50%
 - 2. Supply Chain Contract text A & B -> 100%



Example Annex 2A ADM Quality Criteria

Example how to apply Annex 2A

Criterion	Subcriterion	The Tenderer enters the value by deleting what does not apply
5.2.1 Technical aspects	1.1. Remote alignment (without physical adjustment to the structure)	Yes/ No
	1.2 Configuration and monitoring through the data port	Yes /No
	1.3 Transmission frequency <100 kHz	Yes/ No
5.2.2 Sustainability	2.1 Reusing the bamboo coaxial cable	Yes /No
	2.2 Aspects in the chain	None / International Social Conditions (ISC) for Contract Wording A / International Social Conditions (ISC) for Contract Wording A+B



Example notional tender sum

Annex 4A ADM Lot BPQR Calculation Sheet

Criterion	Subcriterion	Maximum quality value (€)	Score 0%, 50% or 100% quality value	Achieved quality value (€)	Totals (€)
5.2.1 Technical aspects	1.1. Remote alignment (without physical adjustment to the structure)	€ 35,000			
	1.2 Configuration and monitoring through the data port	€ 35,000			
	1.3 Transmission frequency <100 kHz	€ 20,000			
5.2.2 Sustainability	2.1 Reusing the bamboo coaxial cable	€ 200,000			
	2.2 Aspects in the chain	€ 70,000			
Total quality value					
Tender sum					
Total quality value				minus	
Notional tender sum (Tender sum minus Total quality value)					

The quality criteria specify which assessment framework will be applied and the weighting factor for each scoring element. The assessment team members will use a score of 0%, 50% or 100% of the quality value achieved in € when assessing the mentioned scoring elements.



Price List at least includes

- All prices and hourly rates as included in the Quotation Form.
- The prices of individual components within the standard scope of supply. For example, a separate ADM transducer; a separate power supply; cables etc.
- The prices of components used in corrective maintenance. This concerns at least those components whose replacement during their service life is likely.
- The prices of upgrades and accessories that provide additional functions beyond those of the offered system.
- The prices for calibration and validation, including report.
- The prices of user training for installation and maintenance of the instrument.
- The price of the individual components on the Price List must be in reasonable proportion to the price of the system. The prices and rates on the Price List are in line with market conditions.



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Tender Application



TenderNed 23rd of March 2025 at 11:59 hours

Nr	Description	Action by Tenderer
1	Statement of Agreement	Complete the Annex 5 'Statement of Agreement' and duly sign it with a qualified electronic time stamp and add it to the tender in TenderNed.
2	European Single Procurement Document(s)	Complete and add the Annex 6 'European Single Procurement Document(s)' to the tender in TenderNed.
3	Excerpt from the professional or commercial register	Add to the Tender Application in TenderNed.
4	Certificate of Conduct for Procurement	Can be added to the Tender Application in TenderNed. (Only has to be provided upon request.)
5	Tax Administration Statement	Can be added to the Tender Application in TenderNed. (Only has to be provided upon request.)
6	Reference Statement	Complete and add the Annex 7 'Reference Statement' to the Tender Application in TenderNed.
7	Technical information: Technical description of the system offered	Complete and add the Annex 8 'Technical Information' to the Tender Application in TenderNed.
8	The quality criteria	Elaborate the quality criteria according to 'Format Lot 1 Quality Criteria' and add to the Tender Application in TenderNed.
9	The prices/rates offered	Complete and add the Annex 3A 'Quotation Form Lot 1' to the Tender Application in TenderNed.
10	Justification of price per location	A calculation sheet can be added to the registration on TenderNed.
11	Price List	Add to the Tender Application in TenderNed.



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Questions and closure

We wish you good luck with your Tender Application!