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Feasability Study Mold-Alert

Previous Experiences mecom

Previous Experience

As previously outlined in the company profile, mecom operates the Modular Warning System (MoWaS) in Germany on behalf of the Federal Republic of Germany and the Federal Office of Civil Protection and Disaster Assistance (BBK).

The successful implementation is based on an EVB-IT contract concluded in 2014 and various other contracts and project orders. Two contracts are outlined below.

1) Contract 20211122-1 Anbindung Cell Broadcast Center der Mobilfunkanbieter über eine Cellbroadcast Entity an MoWaS

- a. **Name of the client:** Federal Office of Civil Protection and Disaster Assistance (BBK)
- b. **Contract date and periode:** 11/2022- 09/2023
- c. **Details of the overall value and scale of the contract:** The total value of the contract was in the high single-digit millions. The contract involves connecting the Cell Broadcast Centres (CBCs) of four mobile providers to the MoWaS PWS. Services include advising the BBK on Cell Broadcast implementation, creating requirements catalogue and implementation concept, providing infrastructure at the four mobile providers for the MoWaS Cell Broadcast Entity (CBE), developing an adapter, converting MoWaS CAP messages to CB CAP messages, and supplying the interface to the Cell Broadcast Centre as part of the CBE.
- d. **Details of the services provided:** A MoWaS CBE was developed and provided as part of the project. The CBE receives alert messages from the MoWaS system, formats the messages according to the technical and functional specifications (technical requirement specification for DE-Alert) in the MoWaS CB-Adapter and transmits the messages to the Cell Broadcast Centre (CBC) of the mobile network operators.
- e. **Description of the extent to which the contract was comparable with the services sought under this RFT (as defined in Appendix 1)**

Comparison to services sought under RFT:

- **Scope Alignment:** Both contracts involve implementing and integrating Cell Broadcast systems as part of a PWS. The services sought under the RFT align with the scope of the comparable contract.
- **Advisory Role:** The RFT emphasizes advisory services related to the specification, implementation, and maintenance of the PWS, which mirrors the consulting and advisory role provided in the comparable contract.
- **Technical and Functional Specifications:** The development of detailed technical specifications, system integration, and validation required under the RFT is directly comparable to the services provided in the comparable contract, ensuring interoperability, security, and operational readiness of the PWS.
- **Testing and Implementation:** The RFT's requirement for comprehensive testing and validation of the PWS solution aligns with the end-to-end testing services provided in the comparable contract to ensure system reliability and effectiveness.

In summary, the comparable contract demonstrates substantial experience and capability of mecom in delivering services that match the requirements specified in the RFT,

including advisory roles, technical specifications, integration, testing, and validation of a national Public Warning System using Cell Broadcast technology.

- f. Outcomes achieved in terms of Key Performance Indicators (KPIs) delivered on time and within budget
 - See end of document (3 f.)

2) Contract 20230209 Umsetzung Sirenenansteuerung im MoWaS-Warnverbund über den BOS -Digitalfunk

- a. **Name of the client:** Federal Office of Civil Protection and Disaster Assistance (BBK)
- b. **Contract date and periode:** 28.02.2023 - 30.09.2024
- c. **Details of the overall value and scale of the contract:** The total value was in the single-digit millions. The background to this project was a technical solution for controlling sirens via the BOS digital radio network from MoWaS without media discontinuity. The siren is to regain importance as a warning device with a 'wake-up effect'. From a strategic perspective, a control centre dispatcher should be able to use MoWaS to trigger all available warning devices and warning multipliers in their area of responsibility after a warning message has been created without media discontinuity.
- d. **Details of the services provided:** The subject of this contract is the implementation of siren control from the MoWaS warning network via the BOS digital radio network. In the first step, this provides for the development and implementation of an air interface to realise the connection to the BOS digital radio network. At the same time, the connection to the BOS digital radio network via a concentrator interface is being prepared.
- e. **Description of the extent to which the contract was comparable with the services sought under this RFT (as defined in Appendix 1)**

Comparison to services sought under RFT:

Similarity in Services:

- The focus on developing interfaces and ensuring secure, seamless communication aligns with the tender's emphasis on technical and operational expertise.
- Both projects require close collaboration with governmental bodies and adherence to stringent technical and security specifications.

Technical Expertise:

- The contract demonstrates expertise in creating and implementing interfaces for complex communication networks, similar to the requirements of the tender.
- The ability to handle secure and reliable integration of multiple warning systems.

Outcome and Performance:

- The successful implementation of siren control through BOS digital radio shows capability in delivering high-stakes, high-security projects on time and within budget.
- This aligns with the tender's requirement for proven experience in delivering complex technical solutions effectively.

The above comparison highlights the relevance and applicability of the previous contract experience of mecom to the requirements outlined in the tender, demonstrating the ability to provide expert advisory services for the implementation and optimization of public warning systems.

f. Outcomes achieved in terms of Key Performance Indicators (KPIs) delivered on time and within budget

See at end of document (3 f.)

3) Contract 20231101 Kontingent für die technische Beratung zum Modularen Warnsystem im Rahmen des ISF Bund-Länder Projekts „Warnung der Bevölkerung“ Teil C

a. Name of the client: Federal Office of Civil Protection and Disaster Assistance

b. Contract date and periode: 11/2023-09/2024

c. Details of the overall value and scale of the contract

The total value amounts to a high double-digit number of project days.

d. Details of the services provided:

The consultations include the following services:

- Advice on the standardisation of recommendations for action and adaptation of the MoWaS user interface
- Evaluation of the European Galileo EWS warning system with regard to MoWaS controllability
- Preparation of the operation of TPEG2-EAW warnings and MoWaS connection
- Preparation of a study on the integration of KRITIS key companies as warning recipients on MoWaS
- Conception and realisation of e-learning content for MoWaS training courses

e. Description of the extent to which the contract was comparable with the services sought under this RFT (as defined in Appendix 1)

Comparison to services sought under RFT:

- **Scope Alignment:** The services sought under the RFT aligns with the scope of the comparable contract.
- **Advisory Role:** The RFT emphasizes advisory services related to the specification, implementation, which mirrors the consulting and advisory role provided in the comparable contract.

f. Outcomes achieved in terms of Key Performance Indicators (KPIs) delivered on time and within budget

Timeliness of Implementation:

- **Outcome:** All project milestones achieved on schedule.

Budget Adherence:

- **Outcome:** The projects were completed within the allocated budget and scope

System Performance:

- **Outcome:** 100% success rate in message delivery during all test phases, confirming the system's reliability and efficiency

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