

FEDeRATED

Grant Agreement n. INEA/CEF/TRAN/M2018/1789631 TENtec Project n. 2018-EU-TM-0119-S – 28151860

## **REQUEST OF PRICE QUOTATION - Transformation Program**

### **PREMISE**

Codognotto Group is a logistics and transport company operating in over twenty countries with fifty offices. The Group deals with integrated logistics and transport through the use of all modes of transport. As a distinctive element on the market, the Group proposes itself as a driver of innovation.

Within this general framework, Codognotto Italia S.p.A. with registered office in Salgareda (31040 - TV), in Via Calnuova n. 18, tax code and VAT number 00474360310, (hereinafter "Awarding Organisation" for reasons of brevity), is partner of the EU funded action FEDeRATED (Call CEF-T-2018-MAP-TRANSPORT, Priority Innovation and new technologies in all transport modes, TENtec Project n. 2018-EU-TM-0119-S – 28151860, GA INEA/CEF/TRAN/M2018/1789631).

Purpose of the aforementioned Action is to develop and validate a digitized system active along the main European Transport Corridors according to the "corridor information system" principle.

More in detail, FEDeRATED aims at creating of a federative system of public and private IT platforms capable of sharing data and information for a better management and planning of goods along the logistic chain.

### **FEDeRATED action is declined in five different activities:**

- 1 - Vision
- 2 - Master Plan
- 3 - Pilots, Living, Labs&Testing
- 4 - Collaboration
- 5 - Project Management

Accordingly, the selected provider **would assure the necessary competences and knowledge in order to achieve the development goals set by the Awarding**

**Organisation and in line with the timing and expectations foreseen by FEDeRATED action and in particular in relation to act. 3.**

In order to achieve the above described aims, Codognotto Italia S.p.A. requires the identification and selection of highly specialised external expertise to provide advising, consultancy and software development service in order to assure a proper technical coordination of the pilots comply in act. 3.

The recourse to external competencies by the Awarding Organisation is required by the nature and quality of the expertise necessary to perform the activities foreseen at company and FEDeRATED Action level.

These activities, as required by FEDeRATED Action, cover a wide range of knowledge relating to IT development and Project Management. Accordingly, the entire range of skills required determine the use of external expertise as it is not available within the Awarding Organisation.

Copy of the Grant Agreement funding FEDeRATED action is available at the headquarter of the Awarding Organization for consultation, upon request.

Based on the premise, Codognotto Italia S.p.A., as Awarding Organisation, is asking an offer for the implementation of the following service.

All that stated

The Awarding Organisation communicates the following

**1. PREMISE**

The above premise and the documents referred in it, including the Call Notice and the Grant Agreement, even if not physically attached, constitute an integral and substantial part of this Request of Quotation.

**2. ORGANISATION AWARDING THE CONTRACT**

Codognotto Italia S.p.A.

Via Calnuova 18

31040 Salgareda (TV)  
VAT: 00474360310

### **3. DESCRIPTION OF THE SERVICE REQUIRED**

In line with the goals and achievement mentioned in the premise, Codognotto Italia S.p.A., as co-beneficiary Partner of the EU project FEDeRATED, Grant Agreement n° INEA/CEF/TRAN/M2018/1789631, TENtec Project n. 2018-EU-TM-0119-S - 28151860, requires a **Support for Transformation Program** to assure the correct development of act. 3 implementation.

The mentioned activity has the main objective to practically test FEDeRATED's vision on the logistics chain through the creation, adaptation and revision of IT platforms in use.

Codognotto Group's will play a major role in the European process of enhancing concepts such as paperless transport (SG1) and data sharing (SG2) involving all its business areas (Logistics&Distribution; Air&Ocean; FTL).

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#### **State of the art:**

Codognotto has a monolithic system based on an old generation TMS that does not allow to federate its systems effectively and is still based on the transport and logistics system's old EDI standards. Therefore, in the main objective to practically test FEDeRATED's vision on the logistics chain through the creation, adaptation and revision of IT platforms in use.

For doing this, Codognotto wants to adopt some approaches that are standard de-facto on the market to reach this primary objective.

The approach that Codognotto will follow is to "decompose" its monolithic and closed infrastructure with a COMPONENTS approach (Component Design) that allows it to embrace a SERVICE-ORIENTED approach to digitize and streamline its internal processes making them integrable in the supply chain Government Bodies, private and public companies and in any case to make its systems to be federated through the application of the vision of the "Federated" project with a "Service Oriented" approach



Based on the priorities identified three major strategic initiatives will have be launched:

1. Back-end Transformation (Component Base Approach, SOA , Api Gateway)
2. Front-end Transformation (Codognotto App, Portal.Codognotto.Biz, Servicedesk)
3. Analytics Transformation (Datalake, Data Warehouse, Business Intelligence)

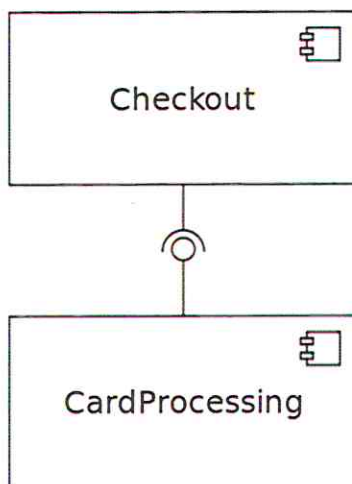
Specifically, the approaches that Codognotto is adopting are briefly described below and much more in detail in the **ANNEX-D4U\_Project**:

### Component-based software engineering

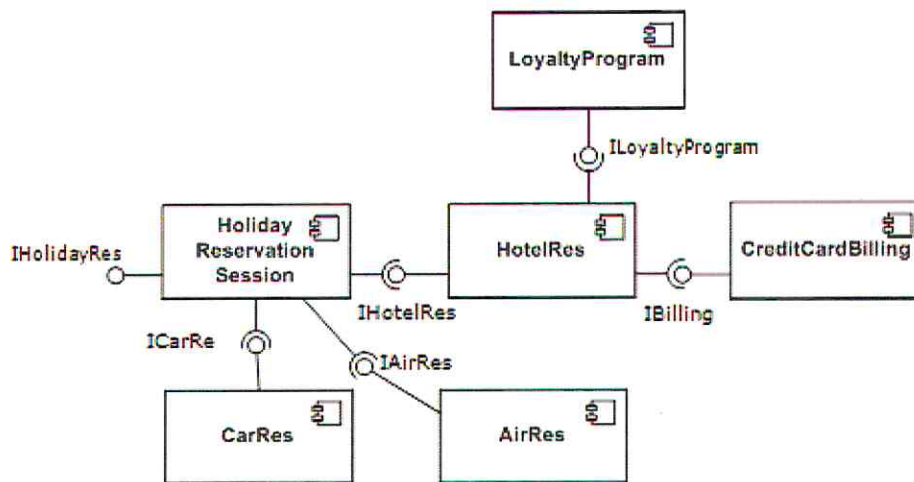
[https://en.wikipedia.org/wiki/Component-based\\_software\\_engineering](https://en.wikipedia.org/wiki/Component-based_software_engineering)

Software engineering practitioners regard components as part of the starting platform for service-orientation. Components play this role, for example, in web services, and more recently, in service-oriented architectures (SOA), whereby a component is converted by the web service into a service and subsequently inherits further characteristics beyond that of an ordinary component.

Components can produce or consume events and can be used for event-driven architectures (EDA).



An example of two components expressed in UML 2.0. The checkout component, responsible for facilitating the customer's order, requires the card processing component to charge the customer's credit/debit card (functionality that the latter provides).



A simple example of several software components - pictured within a hypothetical holiday-reservation system represented in UML 2.0.

Component Base Design approach will be completed using a Service Oriented Approach:

### **SOA (Service Oriented Approach)**

Codognotto's goal is to equip itself with a SOA (Service Oriented Architecture).

Service-Oriented Architecture (SOA) generally indicates a software architecture suitable for supporting the use of Web services to ensure interoperability between different systems to allow the use of individual applications as components of the business process and satisfy the user requests in an integrated and transparent way.

### **DATAWAREHOUSE e DATALAKE**

Nevertheless, Codognotto is aware that structured and non-structured data and their use are vital in the modern era.

Codognotto also intends to develop and equip itself with a modern Datawarehouse (structured data), accompanied by a data lake (non-structured data). These two tools will allow Codognotto to achieve effective data governance regarding the sharing of the information itself

For this purpose, we are, therefore looking for a partner who will provide support services in the study and design phases.

To develop modern architecture based on the approaches described but also able to implement software artefacts that allow the validation of the theory.

These components will be designed and developed with focus to the "Federation" in the strict sense or through the development of:

- Application components that amplify the use of digital within the company in
- Optics of digitizing processes as much as possible and being able to become
- Actual owners of the data and allow
- Securely access this information (both in consultation and in modification) by third parties.

The company we are looking for will also be evaluated based on its experiences in the development of SOA and Component Base applications and the ability to develop DWH and DataLake projects.

The awarded organization will support the development of the executive monitoring activities following the architectural indications defined by Codognotto IT Department: under the guidance, and based, on the requirements defined by Codognotto

In detail the awarded organization will assure a flexible support for development and design including at least the following activities:

1. Activity execution of software development adopting modern approach and tools



2. Controlling time management
  - Support in the analysis and development of the User Story and Use Case
  - Implementing the processes defined with Codognotto Architecture Board
  - Verification of the Estimation of the duration of each task
  - Support on prototyping and pilot developing.
  - Support on defect fixing during the pilot living lab phase
3. Analyzing and managing project risk
4. Track and Support Monitoring progress (I.e. Time Scheduling)
5. Writing reports and necessary documentation
6. Support on the software requirements analysis in case of specific needs

The high innovative vision promoted by FEDeRATED necessarily requires a flexible approach of the Technical Development, that's why Codognotto ask to provide a flexible support based on relevant resources that will be provided by the awarding

This peculiarity must necessarily reflect the economical and technical proposal for the service required.

Every three months, the Support Technical Project Management will be assessed. Accordingly, the awarding organization could require a different approach, increase the effort, reduce it and/or apply any other necessary measure to assure the implementation of FEDeRATED's activity 3.

For every assessment, the Awarded Organization will have to provide a technical report on the tasks performed in the sub-mentioned period. The documentation provided will be assessed and approved by the Head of IT dpt.

#### **4. DURATION**

The service requested in art. 3 will have to be assured for all duration of FEDeRATED Action expected to be concluded in December 2023. Nonetheless, it will have to be adapted to the concrete implementation of the pilot actions that will be assessed every three months on the base of the documents and tasks performed by the Awarded Company. The effective duration of the contract will vary on the base of pilot actions time line and periodical assessment.

Any further indication concerning the timeplan and the duration of the service as set in detail in art. 3 "Description of the service required" will be communicated by the Awarding Organisation in due time.

#### **5. COMPENSATION**

The maximum amount of the offer should not exceed the total amount of 850.000 Euro including travelling and accommodation costs.

The Bidding Company will have to assure a minimum of two man/days per week that could be increased till ten man/days per week. In any time, with no extra costs for the Awarding Company, the Bidding Company will have to assure on spot presence in Codognotto Group's Head Quarter.

The Bidding Company is the sole responsible of the compliance with the provisions of the security, safety, insurance and social security charges related to the implementation of the service.

The Awarding Company reserves the right to request from the Bidding Company, in the period of effectiveness of the contract that will be stipulated, the increase (or decrease) of the contractual services, under the conditions and fees established in the contract; in particular, the Bidding Company may be required, under the same conditions and fees, to increase (or decrease) the contractual activities up to the limit of 20%.

## **6. PAYMENTS**

Payments will be made upon receiving of the related invoice or equivalent document on a monthly basis. All details regarding actual payments' timing and methods will be specifically agreed between the parties.

Any invoices or equivalent document issued by the Awarded Economic Operator has to report the following wording:

*Expenditure for service provided within the framework of the project:*

*FEDeRATED*

*Grant Agreement n. INEA/CEF/TRAN/M2018/1789631*

*TENtec Project n. 2018-EU-TM-0119-S – 28151860*

Every Three (3) months, the selected economic operator will be required to report in written their work progress status by providing written monthly timesheets of the hours dedicated to the project assignment. The template of the timesheet will be provided in due time by the Awarding Organisation.

Non-compliance with the above listed specifications will make impossible for the Awarding Organisation to proceed with the payment. Therefore, the Awarding Organisation cannot be held responsible for the delay or failure to pay, until the conditions described above are met by the Awarded Economic Operator.

Furthermore, failure to supply the requested service, along with the reporting documentation above-listed will lead to the termination of the service awarded, with consequent effects on the amounts paid.

The Awarding Organisation reserves the right to interrupt the supply of the technical service covered by this request for quotation at any time (art. 3 "Description of the service required"),





without prejudice to the calculation of the fees accrued by the economic operator selected up to the moment of communication of interruption by the Awarding Company.

## **7. TERMS AND CONDITIONS FOR SUBMITTING AN OFFER**

Any offer related to this Request of Price Quotation, including any other supporting documents, has to be received within the h. 12:00 of the 15th of February 2020. Offers received after this date or without the requirements indicated will not be considered.

Offers has to report the following wording:

*Offer for service provided within the framework of the project:*

**FEDerATED**

*Grant Agreement n. INEA/CEF/TRAN/M2018/1789631*

*TENtec Project n. 2018-EU-TM-0119-S – 28151860*

Any request of clarification or price quotation have to be addressed to the above listed Referents.

With reference to art. 3 "Description of the service required", the selection procedure, will be carried out by evaluating the qualifications and expertise acquired by Bidders, proved by Curriculum Vitae or technical proposal.

A technical interview could be requested to the preselected Bidders, in order to assess its suitability with respect to the expertise required.

The price quotation must indicate the amount of the total taxable amount and VAT, if applicable.

The offer can be delivered both in English or Italian.

In order to simplify the elaboration and the consequent evaluation and comparability of the offers, the awarding organisation is suggesting to fulfil the template provided in annex 1.

## **8. AWARDING PROCEDURE**

The evaluation and selection of the Offers received will be expressed in hundredths. The evaluation and selection of the Offers received will be carried out by an internal commission duly nominated by the Responsible of the Procedure employed by the Awarding Organisation, applying the following criteria:

Vendor proposal will be evaluated against an evaluation model, which will include the following evaluation items:

1. Completeness and accuracy of the proposal
2. Feasibility and optimization of the project plans
3. Economical offer competitiveness

4. Partnership approach and flexibility
5. Relevancy of the references and reference calls
6. Experience and attitude of the key people who will be part of the project team

Codognotto expects **may** meet all the key project team members during the RFP process and will take in consideration this aspect for the selection.

Each stream – Front-end, Back-end, Analytics – will be evaluated and awarded separately

Evaluation Criterion	Description	Level	Score
A	Coherence of the offer to the specific requirements listed in art. 3 "Description of the service required"	Not sufficient	0
		Sufficient	7.5
		Good	15
		Very good	22.5
		Excellent	30
B	Overall quality of the offer and technical proposal for the implementation of the service.	Not sufficient	0
		Sufficient	7.5
		Good	15
		Very good	22.5
		Excellent	30
C	Quality and relevance of previous experiences with respect to the subject of the selection, achieved (CVs of the experts can be included)	Not sufficient	0
		Sufficient	5
		Good	10
		Very good	15
		Excellent	20
D	Economic offer compared to the best economical bid to be provided in man-days (% of reduction)	0% > x ≥ 5%	0
		5% > x ≥ 10%	5
		10% > x ≥ 15%	10
		15% > x ≥ 20%	15
		> 20%	20

Responsible of the procedure: Mr. CODOGNOTTO Matteo, FTL director western Europe of the Codognotto Group

The Awarding Organisation reserves the right not to proceed with the awarding.



## **9. PROCESSING OF PERSONAL DATA**

Pursuant to the EU Regulation GDPR 2016/679 of the 27th of April 2016 and the Italian national law applicable, the Awarding Organisation informs that the personal data provided by the Bidders will be used by the Awarding Organisation and its Group exclusively for the purposes related to this Request of price quotation and in the event of any future assignment.

Accordingly, data provided by the bidders will be processed in accordance with the EU Regulation GDPR 2016/679 of the 27th of April 2016 and the Italian national law applicable.

Data retention may be carried out through computer and paper archives and will be processed in compliance with Legislative Decree 163/06 and subsequent amendments.

By sending its Proposal, the Bidder expresses its consent to the processing of personal data.

The Data Controller is Codognotto Italia S.p.A., in the person of Mr. Maurizio Codognotto, CEO.

At any time, the Bidder may exercise his/her rights towards the Data Controller, pursuant to the aforementioned EU Regulation GDPR 2016/679 of 27 April 2016, by sending an email to [marketing@codognotto.com](mailto:marketing@codognotto.com).

Salgareda, 15/01/2020

The Responsible of the Procedure

Mr. CODOGNOTTO Matteo

Signature

