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Project: Servicii de dezvoltare a soluției complexe care include componentă tehnică și de program destinate creării cheilor publice și private, și creării, verificării, validării a serviciilor de încredere calificate

Esempla Systems

Nr.	PAST PERFORMANCE REPORT – SHORT FORM	
1.	1. Name of Contracting Entity: UBS	2. Contract No.: under NDA ⁱ
	Dates: undetr NDA	3. Contract Type: Fixed Priced
		4. Contract value: under NDA
<p>5. Project Title: Cryptomathic Signer for Qualified Electronic Signatures (QES) at UBS</p> <p>Place of Performance: Switzerland</p> <p>Project objectives:</p> <p>The primary objective of the project was to digitize UBS's client services by providing a secure and legally binding remote electronic signature system, equivalent to handwritten signatures, without compromising security or compliance. The solution aimed to enhance customer experience, improve operational efficiency, and reduce paper-based processes.</p> <p>Project Overview:</p> <p>UBS, one of the world's largest wealth management banks, partnered with Cryptomathic to implement a Qualified Electronic Signature (QES) solution using the Cryptomathic Signer platform. The project was designed to enable UBS clients to sign legally binding documents remotely via e-banking or mobile banking channels, streamlining operations and increasing customer convenience. Cryptomathic Signer was integrated seamlessly with UBS's existing infrastructure, offering a What-You-See-Is-What-You-Sign (WYSIWYS) technology for non-repudiation and secure document signing. The solution is compliant with international legal standards, including Swiss (ZertES) and EU (eIDAS) regulations.</p> <p>Technology Stack:</p> <ul style="list-style-type: none"> - Cryptomathic Signer – Remote digital signature solution - SwissSign – Certificate Authority for Qualified Certificates - nCipher HSMs – Hardware Security Modules for key protection - Web Application Firewall – Integration with UBS services - WYSIWYS technology – Ensuring document integrity and user confidence 		
6. Problems: not applicable		
<p>7. Contact Reference: Beneficiary: UBS, Switzerland Contact representative: Andreas Kubli, Head of Multichannel Management & Digitization (Case study attached)</p>		
8. Bidder: Esempla		

Nr.	PAST PERFORMANCE REPORT – SHORT FORM	
2.	1. Name of Contracting Entity: LuxTrust	2. Contract No.: under NDA
	Dates: under NDA	3. Contract Type: Fixed Priced
		4. Contract value: under NDA
<p>5. Project Title: enable secure and legally binding digital signatures for residents and organizations in Luxembourg</p> <p>Place of Performance: Luxembourg</p> <p>Project Objectives:</p>		

<p>The primary objective of the Cryptomathic Signer project for LuxTrust is to enable secure and legally binding digital signatures for residents and organizations in Luxembourg. The system allows users to securely access eGovernment and eBanking services, perform legally binding transactions, and electronically sign documents, ensuring security, flexibility, and cost efficiency.</p> <p>Project Overview: LuxTrust, in collaboration with Cryptomathic, has implemented a centralized signing service that combines public key infrastructure (PKI) and two-factor authentication (2FA). The service enables residents of Luxembourg to securely sign documents and access various online services from anywhere in the world. Cryptomathic’s Signer server stores the users’ private keys centrally, providing full mobility without the need for smart cards or readers. The project significantly simplifies the authentication process, reduces costs, and enhances user convenience by allowing users to authenticate and sign documents with a single 2FA mechanism.</p> <p>Technology Stack:</p> <ul style="list-style-type: none"> - Public Key Infrastructure (PKI) - Two-factor authentication (2FA) - Cryptomathic Signer server - Digital Signature Module (DSM) - Signature formats: PaDES, CaDES, XaDES - Compatible with various formats such as PDF, XML, PNG
<p>6. Problems: not applicable</p>
<p>7. Contact Reference: Beneficiary: LuxTrust, Luxembourg Contact representative: Pierre Zimmer, Managing Director at LuxTrust and Government CIO (Case Study of Reference attached)</p>
<p>8. Bidder: Esempla</p>

Nr.	PAST PERFORMANCE REPORT – SHORT FORM	
3.	1. Name of Contracting Entity: Scrive AB	2. Contract No.: under NDA
	Dates: under NDA	3. Contract Type: Fixed Priced
		4. Contract value: under NDA
	<p>5. Project Title: implementing a secure, remote Qualified Electronic Signature (QES) solution</p> <p>Place of Performance: Sweden</p> <p>Project objectives:</p> <p>The project revolves around the integration of advanced digital security measures, specifically focusing on the use of Qualified Electronic Signatures (QES) within a remote Qualified Electronic Signature Creation Device (QECD) framework. The goal of this strategic project was to enable secure and compliant digital document signing using QES, a critical requirement in industries where legal and regulatory standards are high, such as finance and legal sectors.</p> <p>Project Overview:</p> <p>The TSP/QES project, implemented by Cryptomathic in collaboration with Scrive AB, aimed at integrating a remote QECD and QES system. The project's scope was comprehensive and complex, addressing several high-stakes challenges related to digital identity verification and secure document signing. Cryptomathic’s contributions were pivotal in ensuring the project’s success by delivering robust technical solutions alongside strategic guidance.</p>	

Key Components:

Architecture Blueprint: Cryptomathic's team developed a comprehensive architecture blueprint for the remote QECD and QES solution. This phase involved strategic planning and designing a security infrastructure that adhered to both industry best practices and regulatory standards. The blueprint served as a foundation for ensuring the seamless integration of digital signatures into Scrive's platform, showcasing Cryptomathic's expertise in system architecture.

Implementation Support: Cryptomathic's technical team was deeply involved in drafting an implementation concept, paying particular attention to compliance with the TSP Certification Practice Statement (CPS). This document outlines the policies and practices required for issuing qualified electronic signatures, ensuring the entire process met stringent legal and regulatory standards. Their input was crucial in maintaining the integrity and security of the digital signature process.

Managed Service Integration: A key deliverable of the project was the successful operationalization of a managed service for the remote signature solution. This required Cryptomathic to ensure secure connections between users and the QECD, demonstrating their practical expertise in implementing scalable, secure digital signature services. This aspect of the project proved the team's capacity to deliver not only on design but also on execution, offering a fully operational and compliant solution.

Project Leadership and Expertise: The leadership of Cryptomathic's key personnel, including Jan Kjærsgaard, Francis Richards, and Stefan Hebsgard, was instrumental in the project's success. Their combined knowledge of digital identities, cryptographic protocols, and qualified electronic signatures provided the technical guidance needed to overcome complex challenges. Their leadership ensured the project was delivered on time and met all critical milestones, demonstrating Cryptomathic's commitment to excellence and problem-solving capabilities.

Outcome and Impact: Cryptomathic's approach to the project set a high standard for professionalism and technical execution. The solution they provided not only met the legal and operational requirements of Scrive AB but also brought significant added value by enhancing the security and efficiency of digital document processing. The integration of remote QES into Scrive's services positions them as a leader in secure digital transactions, giving them a competitive edge in sectors reliant on digital trust.

Technology Stack:

- Cryptomathic Signer – Remote digital signature solution
- SwissSign – Certificate Authority for Qualified Certificates
- nCipher HSMs – Hardware Security Modules for key protection
- Web Application Firewall – Integration with UBS services
- WYSIWYS technology – Ensuring document integrity and user confidence

6. Problems: not applicable

7. Contact Reference:

Beneficiary: Scrive AB, Sweden

Contact representative: Kristofer Lundqvist, Head of PMO, kristofer.lundqvist@scrive.com
(Certificate of Reference attached)

8. Bidder: Esempla

Nr.	PAST PERFORMANCE REPORT – SHORT FORM	
4.	1. Name of Contracting Entity: Lanaco	2. Contract No.: under NDA
	Dates: under NDA	3. Contract Type: Fixed Priced
		4. Contract value: under NDA
<p>5. Project Title: Qualified Electronic Signature Infrastructure Implementation</p> <p>Place of Performance: Serbia</p> <p>Project Objectives: The main objective of this project is to implement and release a qualified electronic signature infrastructure, ensuring secure and compliant document processing.</p> <p>Project Overview: The project focuses on creating a robust infrastructure to support qualified electronic signatures. Key tasks include the architectural blueprint design, installation, and configuration of Cryptomathic Signer software for remote signature services, as well as setting up the Qualified Signature Creation Device (QSCD) using Hardware Security Modules (HSM). The Cryptomathic Signature Activation Module (SAM) was also configured to ensure compliance with security standards. Training was provided on the setup, configuration, and operation of Utimaco HSMs, and remote technical support was included as part of ongoing maintenance.</p> <p>Technology Stack:</p> <ul style="list-style-type: none"> - Cryptomathic Signer for remote signature services - Qualified Signature Creation Device (QSCD) - Hardware Security Modules (HSM) by Utimaco - Cryptomathic Signature Activation Module (SAM) 		
6. Problems: not applicable		
<p>7. Contact Reference: Beneficiary: Scrive AB, Sweden Contact representative: Aleksandar Crnovcic, Head of Sale, office@lanaco.com (Certificate of Reference attached)</p>		
8. Bidder: Esempla		

Nr.	PAST PERFORMANCE REPORT – SHORT FORM	
5.	1. Name of Contracting Entity: KIR (Krajowa Izba Rozliczeniowa S.A.)	2. Contract No.: under NDA
	Dates: under NDA	3. Contract Type: Fixed Priced
		4. Contract value: under NDA
<p>5. Project Title: Implementation and release of the infrastructure for qualified electronic Signature at KIR</p> <p>Place of Performance: Poland</p> <p>Project overview: The project includes the following tasks:</p> <ul style="list-style-type: none"> - Creation of a blueprint of the architecture of the solution - Support for redaction of an implementation concept with signature flows to meet regulatory requirements - Support in implementation of software components with KIR to ensure document preparation and processing (WYSIWYS) <p>Technical environment:</p>		

<ul style="list-style-type: none"> - Cryptomathic Signer for remote signature services - Qualified Signature Creation Device (QSCD) - Hardware Security Modules (HSM) by Utimaco - Cryptomathic Signature Activation Module (SAM)
6. Problems: not applicable
7. Contact Reference: Beneficiary: KIR, Poland Contact representative: Robert Tretowski, Vice-President, (Certificate of Reference attached)
8. Bidder: Esempla Systems

Nr.	PAST PERFORMANCE REPORT – SHORT FORM	
6.	1. Name of Contracting Entity: National House of Social Insurance and E-Governance Agency, Moldova Dates: May 2023 – in progress	2. Contract No.: MD-EGA-268046-CS-QCBS-2 3. Contract Type: Time-Based 4. Contract value: 752.000 USD
	5. Project Title: Design, development and deployment of the Information System of NHSI Place(s) of Performance: Moldova Project overview: The project aims to modernize and streamline government services in the Republic of Moldova, with a particular focus on social services such as pensions, allowances, and compensations. Key objectives include enhancing the efficiency and accessibility of social services through the development of automated systems and integration with various public service registries. The project will deliver comprehensive solutions for managing pensions, allowances, and compensations, as well as improved systems for issuing certificates and information. Funded by the World Bank, this project involves the E-Governance Agency as the client, with primary beneficiaries being the Public Services Agency and the National Social Insurance House. Relevant activities: The project follows an Agile methodology, particularly Scrum, for iterative development and continuous client involvement. Each sprint results in a working product that is tested and refined based on client feedback. The project also includes extensive training for NHSI staff, data migration, and system support throughout the development phases. Technical environment: <ul style="list-style-type: none"> - IaaS: MCloud (government cloud computing platform) - PaaS: MConnect (Data exchange), MPass (authentication), MSign (digital signature), MNotify (notifies on business events), MLog (Logs important business events), MPay (payment service), MPower (authorizations). - Interoperability: State Tax Service, NHSI internal systems, Public Services Agency (State Registers of Population, Legal Entities, and Administrative and Territorial Units and Addresses). - Technology stack: Technology stack: Java 19, Angular, Webpack, PostgreSQL, Rabbit, Docker, Kubernetes, Elasticsearch, LogStash, Kibana, Prometheus, Jenkins, Swagger, Postman Team involved (relevant to the assignment): Tatiana Berlinschi, Stefan Condrea, Sergiu Garaba, Vitalie Lazar, Victor Tudor, Stanislav Doruc, Nicoleta Ionas, Cristian Lungu, Antonina Ceban.	
	6. Problems: not applicable	
	7. Contact Reference: Implementation Agency: E-Governance Agency	

	Contract representative: Andrei Prisacar, Director, andrei.prisacar@egov.md
	8. Bidder: Esempla Systems

Nr.	PAST PERFORMANCE REPORT – SHORT FORM	
7.	1. Name of Contracting Entity: Public Services Agency and E-Governance Agency, Moldova Dates: May 2023 – Aug 2024	2. Contract No.: MD-EGA-268047-CS-QCBS-2
		3. Contract Type: Time-Based
		4. Contract value: 457.000 EUR
	5. Project Title: Design, development, and deployment of the Information System of State Register of Legal Entities Place(s) of Performance: Moldova Project overview: The Information System State Register of Legal Entities (SRLE) is designed to enhance the efficiency and accuracy of public service delivery by digitizing the registration and management of legal entities in Moldova. The project aims to modernize government services by developing a comprehensive electronic registry that integrates various administrative functions including modules for registering legal entities, updating their status, and managing related documentation. The system provides a user-friendly interface for public and private sector entities to access and update information. Key technical components consist of a robust database management system, secure authentication mechanisms, and an API for third-party integrations. Relevant Activities: The project follows an Agile development methodology, emphasizing iterative development, continuous feedback, and stakeholder engagement. Key activities include requirement gathering, system design, development sprints, data migration, user testing, and deployment. Technical Environment: <ul style="list-style-type: none"> - IaaS: MCloud (government cloud computing platform) - PaaS: MConnect (Data exchange), MPass (authentication), MSign (digital signature), MNotify (notifies on business events), MLog (Logs important business events), MCabinet (Government Citizen's Portal), MPay (payment service), MPower (authorization),. - Interoperability: State tax Service, Public Services Agency (State Registers of Population, Administrative and Territorial Units and Addresses). - Technology stack: Client-Server Architecture, C#, .NET Core, Entity Framework, Angular, Microsoft SQL, Docker, Kubernetes, Azure DevOps. Team involved (relevant to the assignment): Tatiana Berlinschi, Nicoleta Ionas, Dumitru Virtosu, Sergiu Chernev, Adrian Ursachi, Tudor Budu, Grigore Golan, Dumitru Dordea, Rodion Dacin, Ioan Lungu.	
	6. Problems: not applicable	
	7. Contact Reference: Beneficiary: Public Services Agency Mircea Esanu, Director, mircea.esanu@asp.gov.md Implementation Agency: E-Governance Agency Contract representative: Andrei Prisacar, Director, andrei.prisacar@egov.md	
	8. Bidder: Esempla Systems	

Nr.	PAST PERFORMANCE REPORT – SHORT FORM	
8.	1. Name of Contracting Entity: GRM (USA)	2. Contract No.: 20210909-30
		3. Contract Type: Time-based

Dates: Sep 2021 – Sep 2025	4. Contract value: 3.507.600 USD
<p>Project Title: Development and implementation of a record management system and ERP information system</p> <p>Place(s) of Performance: USA, Moldova</p> <p>Project overview: GRM's Record Management software, a key component of their Visual Vault platform, is designed to preserve, protect, and manage important documents through their entire lifecycle. The software ensures compliance with corporate governance policies by facilitating efficient document retention, archiving, and destruction processes. Its features include secure cloud storage, automated workflow management, and advanced data analytics powered by AI and machine learning. This system helps businesses manage records in both physical and digital forms, ensuring quick access and regulatory compliance.</p> <p>Software Components:</p> <ul style="list-style-type: none"> - VisualVault Platform - eAccess Records Management Portal - PrecisionPlus Document Tracking System - Intelligent Data Capture <p>Technological Stack: The system is built using a secure, scalable cloud-based architecture, AI and Machine Learning for data analytics, Low-code/no-code workflow automation, Optical Character Recognition (OCR) for document scanning.</p> <ul style="list-style-type: none"> - IaaS: AWS - PaaS: LoadBalancer, EC2, S3, SQS, API Gateway, Route53, RDS, Postgres. - Technology stack: Java 19, Spring Boot, JHipster, Angular, Kafka, Minio, ElasticSearch, Docker, Kubernetes. <p>Team involved (relevant to the assignment): Dumitru Virtosu, Victor Tudor, Gabriela Tulbu, Tudor Duca, Rubin Ursu, Daniel Marandici, Nicoleta Ionas, Antonina Ceban.</p>	
6. Problems: not applicable	
<p>7. Contact Reference: Beneficiary: GRM Document management (USA) Contact representative: Dmitry Usvetov, VP of IT, duvetov@grmdocument.com</p>	
8. Bidder: Esempla Systems	

Nr.	PAST PERFORMANCE REPORT – SHORT FORM	
9.	<p>1. Name of Contracting Entity: International Finance Corporation (WorldBank Group)</p> <p>Dates: Apr 2022 - Nov 2022</p>	<p>2. Contract No.: 8007052</p> <p>3. Contract Type: Fixed price</p> <p>4. Contract value: 310,000 USD</p>
<p>5. Project Title: The Development and Implementation of the Registry of Financial Statements for the Government of Moldova</p> <p>Place(s) of Performance: Moldova</p> <p>Project overview:</p>		

<p>The Registry of Financial Statements (RFS) project aims to create a centralized system to manage financial statements from various sources in Moldova, ensuring compliance with national and EU standards. The RFS will consolidate financial statements from diverse sources into a standardized XBRL format, making data accessible to public users and third-party systems through MConnect. It includes modules for public access, data validation, secure storage, and interoperability with government and external systems such as the Ministry of Finance, National Bank of Moldova, and National Commission for Financial Markets.</p> <p>Relevant Activities: The project employs an Agile methodology to ensure iterative development and stakeholder engagement, covering tasks from project preparation to post-implementation support. Key activities include infrastructure setup, business analysis, system design and development, integration, data migration, user training, and continuous support.</p> <p>Technical Environment:</p> <ul style="list-style-type: none"> - IaaS: MCloud (government cloud computing platform) - PaaS: MConnect (Data exchange), MPass (authentication), MSign (digital signature), MNotify (notifies on business events), MLog (Logs important business events), MCabinet (Government Citizen's Portal), MPay (payment service), MPower (authorization), POGD (Portal of Open Governmental Data). - Interoperability: The system with about 20 external systems, including: National Bureau of Statistics: Statistical Business Registry, Integrated Statistical Survey, Statistical Metadata Repository, Accounting Information System; Ministry of Finance: One-Stop Shop for e-Reporting, Public Finance Management Information System Reporting; National Commission for Financial Markets (VIZOR IS), National Bank of Moldova e-Reporting system, State Registry of Legal Entities, GoogleAnalytics. - Technology stack: Java 17, GoLang, TypeScript, Java, Angular, Webpack, GinGonic, Gorm, Migrate, Mongo, Cobra, GoCron, Mustache, ELK, PostgreSQL, Rabbit, Gitlab, Docker, Kubernetes, Elasticsearch, LogStash, Kibana, Prometheus, Jenkins, Swagger, Postman. <p>Team involved (relevant to the assignment): Stefan Condrea, Dumitru Virtosu, Victor Tudor, Mihai Gaidau, Nicoleta Ionas, Gabriela Tulbu, Valeriu Bolocan.</p>
<p>6. Problems: not applicable</p>
<p>7. Contact Reference: Beneficiary: National Bureau of Statistics Oleg Cara, General Director, oleg.cara@statistica.md</p> <p>Contractor: International Finance Corporation Address: 2121 Pennsylvania Ave., N.W. Washington D.C. 20433, USA) Contract representative: Galina Cicanci, Project Coordinator, gcicanci@ifc.org</p>
<p>8. Bidder: Esempla Systems</p>

Nr.	PAST PERFORMANCE REPORT – SHORT FORM	
10.	1. Name of Contracting Entity: United Nations Population Fund Dates: Oct 2021 – July 2022	2. Contract No.: UNFPA/MDA/PSC/21/008
		3. Contract Type: Fixed price
		4. Contract value (TEC): 180,000 USD
	5. Project Title: Development of the Informational System on Population and Migration Statistics of the National Bureau of Statistics Place(s) of Performance: Moldova Project overview:	

<p>The Informational System on Population and Migration Statistics (ISPMS) is designed to enhance demographic data collection and analysis in Moldova. The system addresses the need for accurate and up-to-date demographic statistics by integrating various public registers and administrative data sources, thereby reducing costs and respondent burden. The main system's components include: - -</p> <ul style="list-style-type: none"> - Integration of individual data from state information resources for official statistics production. - Efficient management of multi-register statistical databases. - Automated data collection, processing, and validation to produce reliable demographic statistics. - Supports both traditional and register-based census methods to improve data accuracy and frequency. - Data transformation and migration mechanisms. - Continuous integration and deployment facilities. <p>Relevant activities:</p> <p>The project involved iterative development using a hybrid methodology (Scrum and Waterfall) to ensure flexibility and continuous improvement. Key activities included business analysis, software programming, system integration, data migration, user training, and piloting to gather feedback and refine functionalities. The project was implemented with the support of UNFPA.</p> <p>Technical environment:</p> <ul style="list-style-type: none"> - IaaS: MCloud (government cloud computing platform) - PaaS: MConnect (Data exchange), MPass (authentication), MSign (digital signature), MNotify (notifies on business events), MLog (Logs important business events), MCabinet (Government Citizen's Portal), MPay (payment service), MPower (authorization), POGD (Portal of Open Governmental Data). - Interoperability: Public Services Agency (State Registers of Legal Entities, Population, Civil Status Act, Administrative and Territorial Units and Addresses, Cadaster of Real Estate); Ministry of Internal Affairs IT Systems: BPIIS (Border Police Integrated Information System), AIS MA (AIS Migration and Asylum); Ministry Health, Labor and Social Protection IT Systems: SRIRPSIS (the State Register of Individual Records in the Public Social Insurance System), IMIS (Integrated Medical Information System); NBS systems: ISS PMS (Information Subsystem Population and Migration Statistics), SDB (Statistical Databank), SMS (Statistical Metadata System), NBS official Web Page); Other systems: IT Systems supplying behavioral data, Google Analytics. - Technology stack: Microservices architecture; Software development: Java 15, Spring Framework, Spring Boot, Spring, Spring Security, Spring Web Services Hibernate, Junit, Mockito, Swagger, Maven, Liquibase Database Migration, PostgreSQL, Angular, Webpack, Docker, Jenkins. <p>Team involved (relevant to the assignment): Tatiana Berlinschi, Daniela Motpan, Sergiu Garaba, Vitalie Lazari, Victor Tudor, Dumitru Virtosu, Mihai Gaidau, Stanislav Doruc, Nicoleta Ionas.</p>
<p>6. Problems: not applicable</p>
<p>7. Contact Reference: Beneficiary: National Bureau of Statistics, Moldova Aurelia Spataru, Deputy General Manager, aurelia.spataru@statistica.gov.md Igor Condrat, Project manager UNFPA, condrat@unfpa.org</p>
<p>8. Bidder: Esempla Systems</p>

Nr.	PAST PERFORMANCE REPORT – SHORT FORM	
11.	1. Name of Contracting Entity: Ministry of Education, Culture and Research Dates: Nov 2020 – Sept 2021	2. Contract No.: 1631040
		3. Contract Type: Fixed price
		4. Contract value (TEC): 135,000 USD

<p>5. Project Title: Design, development, configuration, deployment of the Register of Driving Schools and Trainees information system</p> <p>Place(s) of Performance: Moldova</p> <p>Project overview: The Register of driving schools and trainees project aims to enhance the efficiency and transparency of the driving license application process in Moldova by developing an integrated IT system. This project addresses the challenges of corruption and inefficiency in public service delivery by leveraging modern information and communication technologies. The system's main components include Registration and verification of driving schools and trainees, Management of course schedules, trainee progress, and exam results.</p> <p>Relevant activities: The project involved iterative development using a hybrid methodology (Scrum and Waterfall) to ensure flexibility and continuous improvement. Key activities included business analysis, software programming, system integration, user training, and piloting to gather feedback and refine functionalities. The E-Governance Agency (backed by Worldbank) financed and overseen the project, ensuring alignment with national IT infrastructure and standards.</p> <p>Technical environment:</p> <ul style="list-style-type: none"> - IaaS: MCloud (government cloud computing platform) - PaaS: MConnect (Data exchange), MPass (authentication), MSign (digital signature), MNotify (notifies on business events), MLog (Logs important business events), MCabinet (Government Citizen's Portal), MPay (payment service). - Interoperability: State Registers of Legal Entities, Population, Transport units, Drivers, Information system for processing of study documents. - Technology stack: Microservices architecture; Software development: Java 15, Spring Framework, Spring Boot, Spring, Spring Security, Spring Web Services Hibernate, Junit, Mockito, Swagger, Maven, Liquibase Database Migration, PostgreSQL, Angular, Webpack, Docker, Jenkins. <p>Team involved (relevant to the assignment): Tatiana Berlinschi, Daniela Motpan, Sergiu Garaba, Vitalie Lazari, Mihai Gaidau, Antonina Ceban, Nicoleta Ionas.</p>
<p>6. Problems: not applicable</p>
<p>7. Contact Reference: Beneficiary: Center for Information and Communication Technologies in Education Contact representative: Arcadie Malearovici, Director, arcadi.malearovici@ctice.gov.md</p>
<p>8. Bidder: Esempla Systems</p>

Nr.	PAST PERFORMANCE REPORT – SHORT FORM	
12.	<p>1. Name of Contracting Entity: e-Governance Agency</p> <p>Dates: Dec 2020 – Aug 2021</p>	<p>2. Contract No.: MD-EGA-183501-CS-QCBS</p> <p>3. Contract Type: Time-Based</p> <p>4. Contract value (TEC): 180,000 USD</p>
	<p>Project Title: Design, development, configuration, deployment of the MDelivery information system</p> <p>Place(s) of Performance: Moldova</p> <p>Project overview: The MDelivery Information System is designed to enhance public service delivery by connecting service providers with postal services to facilitate the delivery of public service results, such as</p>	

	<p>certificates and extracts, to both individuals and legal entities. It supports the delivery of a wide range of public services, making these more accessible to citizens and businesses. MDelivery employs APIs for integration with various systems, ensuring secure data transfer and real-time status tracking of deliveries. It also incorporates electronic authentication via MPass and digital signatures.</p> <p>Relevant activities: The project involves the design, development, configuration, and deployment of the MDelivery system, utilizing an Agile development approach to ensure flexibility and iterative improvements. This approach involved regular sprints, active stakeholder engagement, and adaptive planning to deliver a robust electronic notification system. Key activities included designing, developing, configuring, and deploying the system while ensuring compliance with legal and regulatory requirements. The project was financed by the WorldBank.</p> <p>Technical Environment: The system is built using a secure, scalable infrastructure that includes cloud services, API-based integrations, and robust authentication mechanisms.</p> <ul style="list-style-type: none"> - IaaS: MCloud (government cloud computing platform) - PaaS: MConnect (Data exchange), MPass (authentication), MSign (digital signature), MNotify (notifies on business events), MLog (Logs important business events), MCabinet (Government Citizen's Portal), MPay (payment service). - Interoperability: State Registers of Legal Entities, Population, Transport units, Drivers, Carriers (DHL, FedEx, Fac Courier, Mentor Express, Nova Poshta, Posta Moldovei). - Technology stack: Client-Server Architecture, .NET Core, Angular, Microsoft SQL, Docker, Kubernetes, Azure DevOps. <p>Team involved (relevant to the assignment): Tatiana Berlinschi, Rafic Barseghean, Sergiu Chernev, Adrian Ursachi, Dumitru Dordea, Grigore Golan, Stanislav Doruc.</p>
	6. Problems: not applicable
	7. Contact Reference: Beneficiary: E-Governance Agency, Moldova Contact representative: Elena Croitor, Product Owner, elena.croitor@egov.md
	8. Bidder: Esempla Systems

Nr.	PAST PERFORMANCE REPORT – SHORT FORM	
13.	1. Name of Contracting Entity: e-Governance Agency	2. Contract No.: MD-EGA-115672-CS-QCBS
	Dates: Dec 2019 – Oct 2020	3. Contract Type: Time-Based
		4. Contract value (TEC): 105,000 USD
	<p>Project Title: Design, development, configuration, deployment of the MNotify information System</p> <p>Place(s) of Performance: Moldova</p> <p>Project overview: The MNotify Information System is an electronic notification service designed to modernize public communication by replacing traditional paper-based methods with digital notifications. The system's main components include a platform for public authorities to send notifications about various services and events to citizens and businesses. It supports multiple notification channels such as email, SMS, push notifications, and instant messaging. MNotify is integrated with the Government Citizen's Portal allowing users to manage their contact information and notification preferences.</p>	

<p>Relevant activities: The project was developed using agile methodologies, focusing on iterative development to ensure flexibility and continuous improvement. This approach involved regular sprints, active stakeholder engagement, and adaptive planning to deliver a robust electronic notification system. Key activities included designing, developing, configuring, and deploying the system while ensuring compliance with legal and regulatory requirements.</p> <p>Technical environment: Technology stack: C#, ASP.NET MVC Core, SQL Server, Docker, Kubernetes. Interoperability: Integrated with MPass for authentication, MLog for logging business events, and MConnect for data exchange. By providing a reliable, fast, and secure method of communication, MNotify has significantly improved the efficiency and effectiveness of government services, enhancing citizen satisfaction and trust</p> <ul style="list-style-type: none"> - IaaS: MCloud (government cloud computing platform) - PaaS: MConnect (Data exchange), MPass (authentication), MSign (digital signature), MNotify (notifies on business events), MLog (Logs important business events), MCabinet (Government Citizen's Portal), MPower (authorization service) - Interoperability: State Registers of Legal Entities, Population, Transport units, Drivers, etc. - Technology stack: Client-Server Architecture, .NET Core, Angular, Microsoft SQL, Docker, Kubernetes, Azure DevOps. <p>Team involved: (relevant to the assignment) Dumitru Virtosu, Tatiana Berlinschi, Sergiu Garaba.</p>
6. Problems: not applicable
7. Contact Reference: Beneficiary: E-Governance Agency, Moldova Contact representative: Andrei Prisacar, Director, andrei.prisacar@egov.md
8. Bidder: Leading partner in a Joint Venture Esempla – CVU-Codwer

Nr.	PAST PERFORMANCE REPORT – SHORT FORM	
14.	1. Name of Contracting Entity: e-Governance Agency Dates: Dec 2019 – Oct 2020	2. Contract No.: MD-EGA-106369-CS-QCBS
		3. Contract Type: Time-Based
		4. Contract value (TEC): 115,000 USD
<p>Project Title: Design, development, configuration, deployment of the MPower information system</p> <p>Place(s) of Performance: Moldova</p> <p>Project overview: The MPower Information System is an electronic authorization registry designed to modernize public service delivery by digitizing the process of granting and revoking representative powers. It addresses challenges such as transitioning from paper-based to digital processes, ensuring secure and verifiable electronic signatures, and integrating with various governmental services. The system's main components include tools for managing authorizations, authentication and access control via electronic signatures, a real-time verification portal, and an administrative module for managing templates and constraints.</p> <p>Relevant activities: The project was implemented using an Agile methodology (Scrum) to ensure iterative development, continuous feedback, and flexibility in accommodating changes. This approach involved regular</p>		

<p>sprints (2-3 weeks), stakeholder active engagement, and adaptive planning to deliver a high-quality electronic authorization system. The project was financed by the WorldBank.</p> <p>Technical environment: It is built on a technological stack that supports real-time data processing and secure electronic transactions, integrating seamlessly with existing government ecosystem:</p> <ul style="list-style-type: none"> - IaaS: MCloud (government cloud computing platform) - PaaS: MConnect (Data exchange), MPass (authentication via digital signature), MSign (digital signature), MNotify (notifies on business events), MLog (Logs important business events), - Interoperability: State Registry of Legal Entities, State Registry of Population. - Technology stack: Client-Server Architecture, .NET Core, Angular, Microsoft SQL, Docker, Kubernetes, Azure DevOps. <p>Team involved: (relevant to the assignment): Victor Tudor Daniela Motpan.</p>
<p>6. Problems: not applicable</p>
<p>7. Contact Reference: Beneficiary: E-Governance Agency, Moldova Contact representative: (Igor Bercu, Product Owner, igor.bercu@egov.md)</p>
<p>8. Bidder: Lead partner in a Joint Venture Esempla – CVU-Codwer</p>

¹ Some information that is protected by an NDA may be provided upon prior request.