



/ GeCo Business Consulting

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GeCo is an Engineering-company
That turns 25 years at your service

GeCo Business Consulting
/Excellence in Software Engineering

/ Mission

"We provide advanced engineering services and innovative solutions to companies and organizations, leveraging cutting-edge technology and expertise in various engineering disciplines."

GeCo is an engineering company founded in Genoa, Italy in 1997 as a start-up of CNR (National Research Council). We specialize in providing advanced engineering services and innovative solutions to companies and organizations.

The lean structure of GeCo is composed of professionals with strong technical skills and scientific backgrounds, ensuring high-quality service and effective problem-solving for our clients.

GeCo has extensive experience in engineering problem solving, thorough problem analysis, and a strong drive towards researching and developing innovative engineering solutions.

Our mission is to provide advanced engineering services and high-tech solutions to companies and organizations.

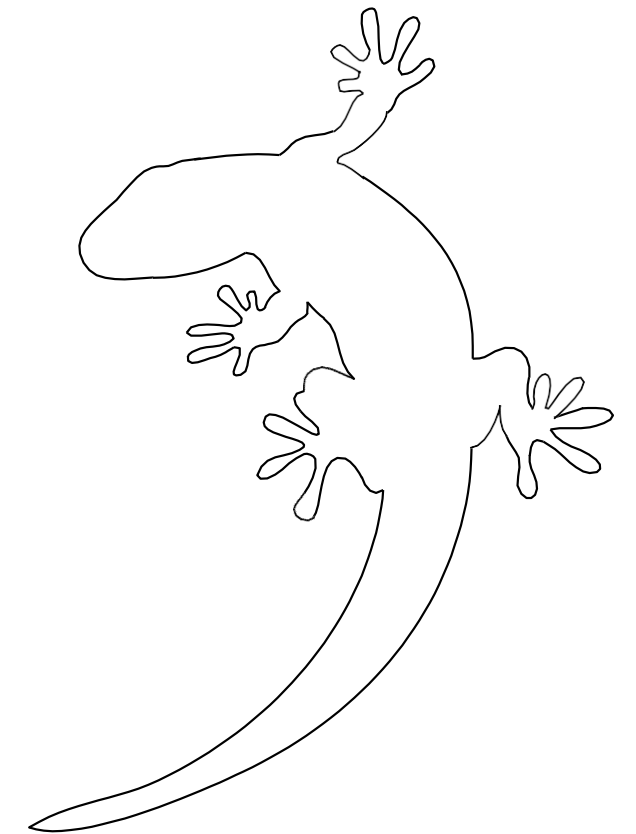
GeCo's headquarters is in Genoa, Italy.

GeCo is a part of CDO Liguria (Compagnia delle Opere Liguria)

GeCo is also part of Polo TRANSIT (Ports and Logistics, Sustainable Mobility, Intermodality, Safety in Transport).



GeCo is IQNET and ISO 9001:2015 Certified by RINA (cn. 42933/22/S).



Realize our customers ideas today



to reach their ambitions tomorrow



Everything GeCo does is guided towards equipping Shipping Companies and organizations with advanced engineering solutions that will help them succeed as markets evolve.

Transportation

- Advanced Solutions for Ship Forwarders and Logistics Operators
- Supply Chain and Enterprise Resource Planning (ERP) for Ship Suppliers and Ship Changers
- IT Solutions for Container Logistics

Port & Terminals

- Workforce and Resource Planning Software for port operations.
- Berth Resource Planning and Mooring scheduling Software.
- Terminal Departure Report Calculation and management.
- B2B Portals for facilitating seamless communication and data exchange among various port stakeholders.

Customs Management

- Secure and efficient software for data transfer within port operations.
- Software for managing customs procedures and compliance.
- Solutions for the management of temporary storage and transshipment activities.



/ Expertise

GeCo expertise and services facilitate our customers at any level they need, to strength their business

Technical Expertise:

Microservices: Expertise in designing and implementing microservices architectures for scalable and resilient applications.

DevOps CI/CD: Advanced knowledge in Continuous Integration and Continuous Deployment pipelines to automate and streamline software delivery.

AI Integration: Proficient in integrating artificial intelligence solutions to enhance functionalities and processes.

Blockchain Integration: Competence in integrating blockchain technology for secure and transparent transactions.

Advanced Drupal: Expertise in advanced Drupal development for robust content management solutions.

Programming Languages and Paradigms: Proficiency in a wide range of programming languages and paradigms including C, C++, C#, PHP, Java, Python, JavaScript, Node.js, and Go.

DBMS: Extensive experience with major database management systems such as Oracle, MS SQL, MySQL, and MariaDB.

NoSQL Databases: Expertise in NoSQL databases like MongoDB, Elasticsearch, and Apache Solr.

Data-Driven Systems: Proficient in data-driven systems like Kafka, including related libraries and integrations with Apache Camel.

Software Engineering

Expert Software Engineering:

We provide a team with the smartness, experience, and software engineering knowledge to help you scale your ICT solutions rapidly, respecting best practices and common standards/methodologies for software engineering:

CMMI, RUP, XP, Scrum, Kanban, PSP, TSP

Software Quality

Comprehensive Software Quality Services:

We can help you with a wide range of quality services, including:

- Application Lifecycle Management
- CI/CD - Microservices
- Test Automation & Continuous Integration
- Performance Testing and Monitoring
- Non-functional Testing
- Mobile App Development & Testing
- Security Analysis & Testing



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/Inspiring Ideas & Designs



/ Software Assets

We are Ready to support your migration from Virtualization (Vmware) → Hyperconvergent environments

professionally tailored to fit your company needs.



Fast Flexible Process Manager

Business Processes ready in four fast steps:

- Define entities
- Design Workflows
- Set interactions
- Set permissions

Verticalizations:

- Spare logistic
- Port of Call Logistic
- Sport Governing Body
- Easy integration

Technology: Web 2.0/3.0
Distribution: PAAS SAAS



Data Confluence & Integration

Stream data processing as fast as:

- Define Topics
- Set Producer & Consumer
- Describe infrastructure
- Config parameters

Data Services fast scale online

Verticalizations:

- Data flow & Quality management
- Blockchain at a scale
- heterogenous data integration

Technology: Apache Kafka, Kubernetes
Distribution: Microservices



Workforce and Berth Planning

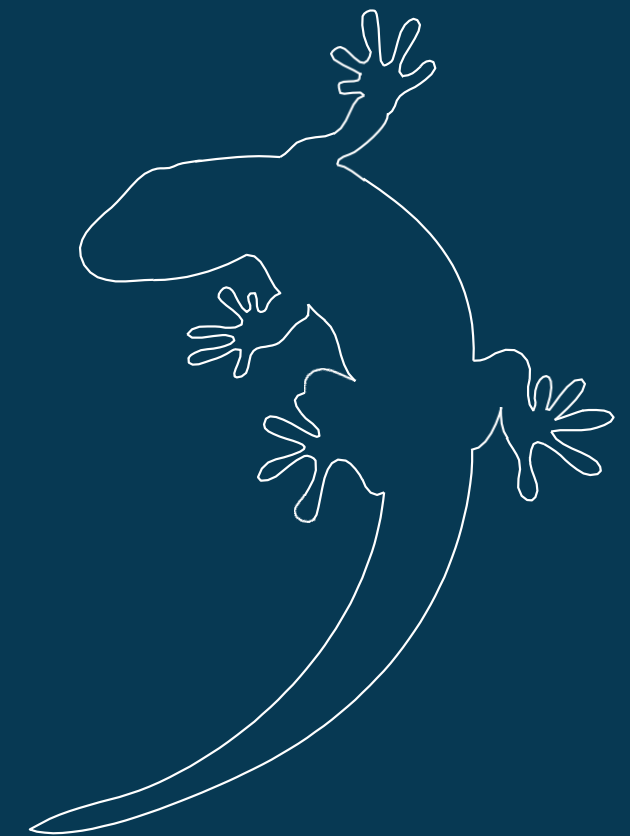
Terminal operations ready in five fast steps:

- Plan mooring
- Manage operational teams (BRA)
- Assign equipment
- Manage execution - Monitoring and Control
- Generate Terminal Departure Report

Key Points:

- Workforce Management
- Berth Planning
- Integration with Terminal Operating System (TOS)
- Easy integration with existing infrastructure
- LDO Check, Edi management

Technology: Web 3.0, Kubernetes
Distribution: Microservices, PAAS



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/ Tools and Assets

Re-usable Software Components

Over the years, GeCo has developed re-usable software components and applications. These result from a constant effort to capture our team's knowledge and expertise into software assets.

Usage: While these tools are leveraged as our internal “toolset”, they are not currently packaged as standard software products and are not commercially exploited through the sale of software licenses.

Core Activities: Custom software development and software/system integration services remain at the core of our activities in these domains.

Examples: [AS400 Webify, Data Manipulation, Software Libraries]

Fully Packaged Software Assets

Description: GeCo offers fully packaged software assets that are commercially exploited through the sale of perpetual or open source software licenses and fees, software maintenance, and related software services.

Features: These products are based on patented methods and technologies, ensuring innovative and proprietary solutions.



/ Selected Customers



MAERSK



/ Experience



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We support customers in several domains, with our software engineering capabilities

Shipping & Transport Logistics

GOAS - Infrastructure mgmt
PSAGP - Custom data, Extranet, e-Procurement
PSASECH - Site Portal
PSA Vecon - Resource Mgmt
Maersk - Workflow mgmt, Container Empty Release
MECA - Intelligent Data Automation,
Gedtransport - Tracking System, Vessel Tracking optimizer
Seatram - Tracking System
Seatrade - Tracking System - Ext Integrations
Banchero e Costa - ERP & Supply Chain management
Alma - CMMS, Recruitment DB
GM EuroSupply - Network Proximity Management T-
bridge - Dev. Payroll Management for Ships Owners
PSAGP - Portal, Resource Mgmt

Industry

Siemens - HealthCare - Non Functional Testing
Siemens - PLM Solutions for MES, BTO
Saiwa - Mondelez Network Proximity Mgmt
Sideco - ERP and Supply Chain Mgmt
ELSAG - industrial Setup Dev
A&A Fratelli Parodi - Warehouse Mgmt - ERP

Gaming

Lottomatica - Instantwin, 10elotto Playlist

/Strategic Institutional Collaborations

Organizations

ADSP Livorno
FAMA - Fondo Agenti Marittimi
ANPAN
ASSAGENTI
SPEDIFORM
SPEDIPORTO

Applied Research

CNR IMATI - R&D projects
CNR ITD - R&D projects
UNIBZ - R&D and Teaching



/ GeCo Business Consulting

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