Capgemini

AI & DATA ENGINEERING- DATA PLATFORM

COCREATING SUCCESS
FOR A BETTER FUTURE

AI & DATA ENGINEERING - AZURE

CENTER OF EXCELLENCE

- 2020 Microsoft SAP/ Azure Partner of the Year

- 1.2k+ Azure & Analytics Practitioners

- 17 Gold Microsoft certifications including Azure Expert Gold Partner

- Proven delivery methodologies and accelerators

- 100+ clients

ASSETS & ACCELERATORS

- REAP (Replatforming Analytics Engine on Azure)
- Great BI (Estimation)
- GDPR Framework
- Smart Procurement Analytics Management
- Smart Asset Management

OUR SOLUTION OFFERINGS

Advisory

Data Estate Modernization

Unified Data Management

Migration to SharePoint Online

GDPR and Data Privacy

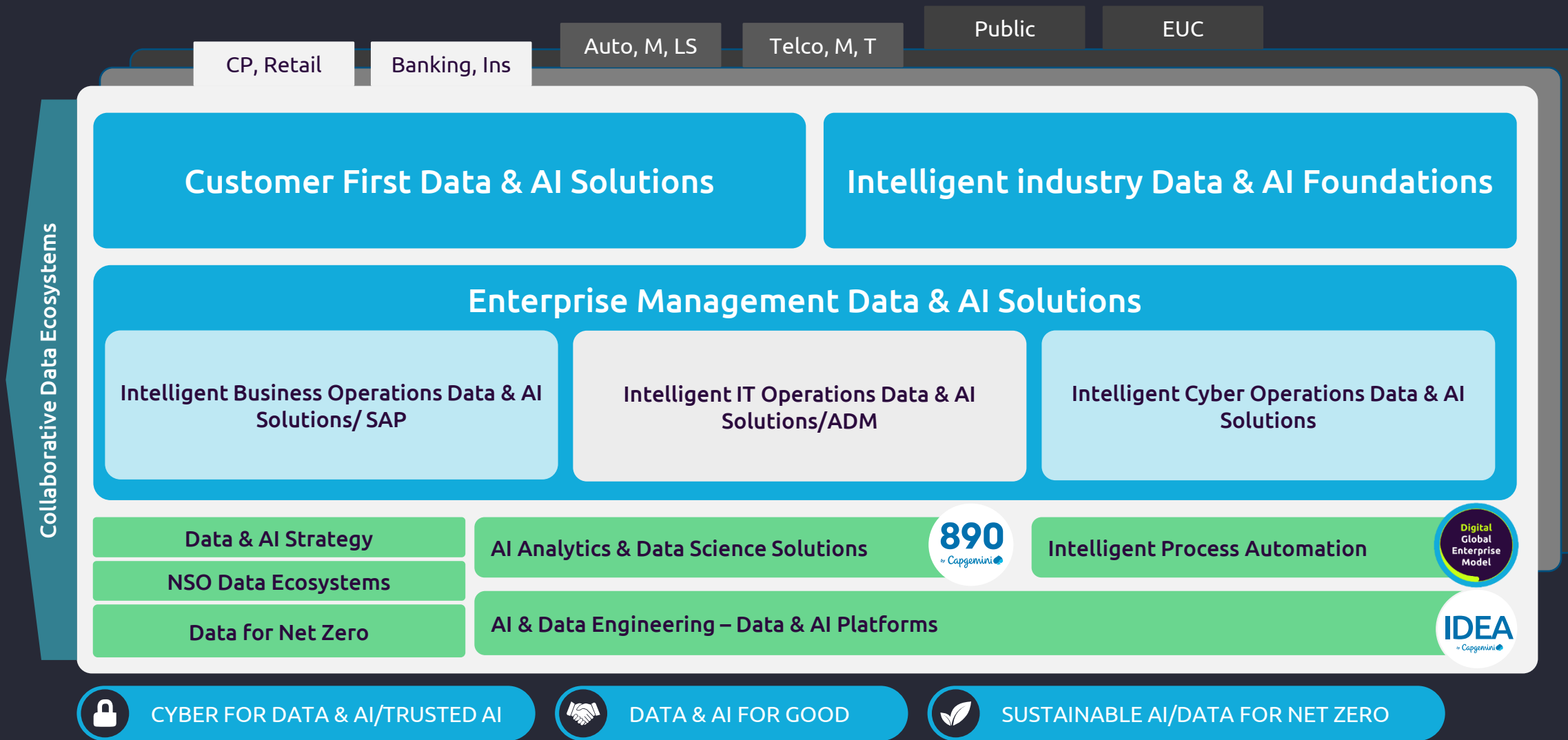Smart Analytics on Azure

Azure Solution Labs

AI Gallery with Azure

STRONG ALLIANCES: Informatica | snowflake | databricks

OUR 2022 DATA & AI GROUP PORTFOLIO IMPLEMENTS OUR CORPORATE STRATEGIC FRAMEWORK

CP, Retail | Banking, Ins | Auto, M, LS | Telco, M, T | Public | EUC

Collaborative Data Ecosystems

Customer First Data & AI Solutions

Intelligent industry Data & AI Foundations

Enterprise Management Data & AI Solutions

Intelligent Business Operations Data & AI Solutions/ SAP

Intelligent IT Operations Data & AI Solutions/ADM

Intelligent Cyber Operations Data & AI Solutions

Data & AI Strategy

NSO Data Ecosystems

Data for Net Zero

AI Analytics & Data Science Solutions — **890** *by Capgemini*

Intelligent Process Automation — **Digital Global Enterprise Model**

AI & Data Engineering – Data & AI Platforms — **IDEA** *by Capgemini*

CYBER FOR DATA & AI/TRUSTED AI | DATA & AI FOR GOOD | SUSTAINABLE AI/DATA FOR NET ZERO

AI AND DATA ENGINEERING

STRATEGIC PARTNERSHIP

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Organizations are unable to properly equip staff (new or existing) with the knowledge or training as part of re-distribution of work, organizational change, restructures that needs to happen in a remote environment.

This is critical to ensuring front line staff or newly appointed teams can operate at the right level of performance.

Enable your teams to operate at the right level of performance during crisis (Remote knowledge transfer, training, collaboration)

Microsoft

+

- Digital Enablement as a Service with SAP Enable Now
- Digital learning contents
- In app GPS (guided tour within the production application)
- In app help
- Virtual worker training and qualification to be service/customer ready
- Onboarding of new virtual workers
- Provision of digital learning products
- Manage remote transition

The service is also applicable for running solutions where we propose a recurrent service that ensure a full alignment follow up between the solution releases and the workforce enablers materials

Procure Smart library of KPIs and analytics enhanced with dynamic info on suppliers.

AI & DATA ENGINEERING

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- Ensure Supply Chain continuity – Manage/Minimize supplier risk
- Fast marketing pivot to new consumer behaviours
- Rapid mobilization of additional workforces to support operational upswing
- Training and qualification of workforce to be service/customer ready in short window
- Collaboration zones to drive problem resolution in new virtual environment
- Users can remotely connect to their testing/training/production environment and be guided in executing transactions, with no need for consultants to assist

TARGET SECTORS

MALS   **TMT**   **CPRD**   **Public Sector**   **Life Sciences**   **EUC**

ACCELERATORS AND PRODUCTS TO ACCELERATE THE END-TO-END JOURNEY TO DATA & AI POWERED ENTERPRISE AND COLLABORATIVE DATA ECOSYSTEM
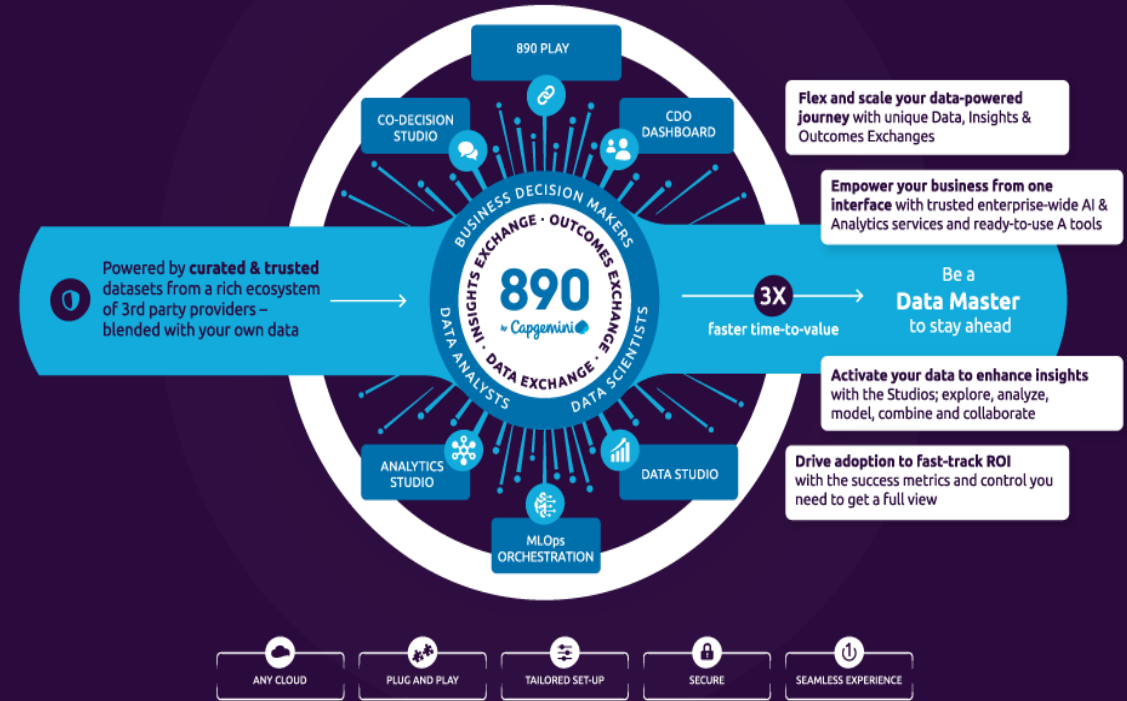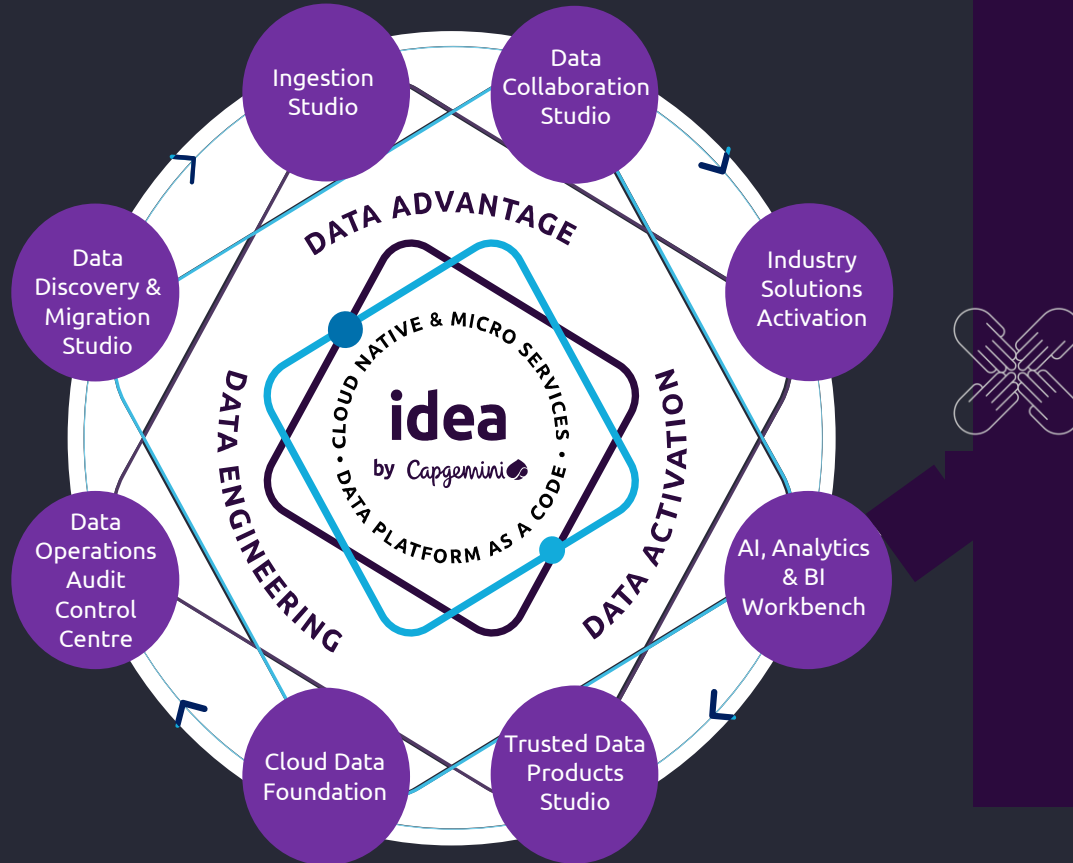
Data & AI Platforms
AI & Data Engineering, Data Estate Modernization, Intelligent Cloud MDM

IDEA
by Capgemini

AI Analytics & Data Science Solutions
MLOps, AI Glassbox, Federated Learning

Accelerate and industrialize @scale the design/build & runoff your Enterprise Trusted Data Products Fabric on Hyperscalers with IDEAbyCapgemini

Data Powered decisions with your data, insights and outcomes exchanges delivered with confidence empowered by AI, Analytics and ML Industry Solutions on Hyperscalers and on Premise with 890byCapgemini

DATA MESH NEW COMPONENTS IN AI & DATA ENGINEERING

Data Mesh addresses the common failure modes of the traditional centralised data lake or data platform architecture, hinging on modern distributed architecture and self-serve data infrastructure

→ *It is core to enabling data collaboration & data products* ←

DOMAIN-ORIENTED DECENTRALIZATION	DATA AS A PRODUCT	SELF-SERVE DATA INFRA AS A PLATFORM	FEDERATED COMPUTATIONAL GOVERNANCE
More Limber Approach To Data Management	*Product Thinking to Data*	*Generalist Developers Can Develop Analytical Data Products*	*Data Products Conform To A Shared Set Of Rules*

IDEA features to implement Data Mesh in our Data Platform as Code

Data Governance Methodology
3-step prioritisation process
Data Domain Criticality Assessment
Workstream Prioritisation Matrix
Iterations process with sprints and sprint cards

Data Product Templates
with the integrations to Data Trust
& Infra/Financial Monitoring

Accelerators
to help abstract the technical
difficulties of doing SDLC on Analytical
Data Products

SUSTAINABILITY

NET ZERO STRATEGY & NEW BUSINESS MODELS

Purpose, commitments, transformation path

COMMIT

- Defining the sustainability purpose of organizations
- Defining the vision and pathway to decarbonization
- Building the right organizational structure and governance to achieve the decarbonization ambition
- Implementing new, transformative, business models (e.g. circular economy business models)
- Engaging the right talent to support the low carbon transformation (change management, upskilling, etc.)
- Engaging stakeholders to support the low carbon transformation

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SUSTAINABLE PRODUCTS & SERVICES

Green experience

ACT

- Designing and developing low carbon customer experiences (planet centric design, etc.)
- Innovating to design, engineer and develop sustainable and low carbon products (electric vehicles, green aircraft, etc.) and sustainable services (second-hand marketplace, green banking, etc.)
- Designing circular products and services

SUSTAINABLE OPERATIONS

Manufacturing & Supply chain

- Implementing sustainable procurement strategies (sourcing, contracting, traceability)
- Enabling low carbon energy supply (renewables, hydrogen, Power Purchase agreement, grid management)
- Decarbonating factories by enabling sustainable manufacturing (energy efficiency, autonomy, waste and water management, etc.)
- Decarbonating the supply chain including network, planning, logistics and packaging
- Implementing the circular supply chain

SUSTAINABLE IT

Devices, apps & infra

- Assessing and reducing environmental impacts of IT (optimization of equipment, apps and infrastructure to reduce emissions and consumption)
- Engaging employees and launching a behavioral change to limit the impacts of IT
- Leveraging emerging technologies that enable sustainable applications (IoT sensors, 3D manufacturing, etc.)

DATA FOR NET ZERO STRATEGY

Data platform, monitoring & reporting

MONITOR & REPORT

- Integrating the data vision into the overall Net Zero trajectory, with the right technologies and partnerships
- Designing and setting up the underlying platform for sustainability-related data to evaluate and manage environmental impacts of organization's activities, including scope 3
- Using environmental intelligence as a new lever to engage and interact with clients and industrialize and automate ESG reporting

WE HELP ORGANIZATIONS SEAMLESSLY COLLECT AND MAKE THE BEST OF DATA TO SECURE THEIR NET ZERO TRANSFORMATIONS

DATA STRATEGY FOR NET ZERO

1. **Integrate the data vision** into the overall Net Zero trajectory
2. **Break down NZ objectives** into data projects and indicators shared among the various functions of the company
3. **Define the organizational model and governance** to secure data challenges
4. **Select the right technologies** (e.g. AI) to achieve the data ambition
5. **Create the data partner ecosystem**

SUSTAINABILITY DATA HUB
Foundation, measurement, analytics

1. **Identify all granular data to feed the data hub** with including internal and external sources, including suppliers' & consumers metrics
2. **Design and set up the underlying technological platform** for sustainability-related data
3. **Measure data founded insights and report environmental impacts** of organization's activities, including scope 3
4. **Package data models to enhance analytics** and help all business functions optimize and reduce their footprint and prevent environmental risks powered by AI driven use cases

ESG DATA PERFORMANCE

1. **Set up a company-wide ESG** performance steering infrastructure
2. **Measure ESG performance** of activities, projects, transaction, third-parties, etc
3. **Industrialize and automate ESG reporting** to comply with evolving regulations and meet increasing expectations from investors

About Capgemini

Capgemini is a global leader in partnering with companies to transform and manage their business by harnessing the power of technology. The Group is guided everyday by its purpose of unleashing human energy through technology for an inclusive and sustainable future. It is a responsible and diverse organization of 325,000 team members in more than 50 countries. With its strong 55-year heritage and deep industry expertise, Capgemini is trusted by its clients to address the entire breadth of their business needs, from strategy and design to operations, fuelled by the fast evolving and innovative world of cloud, data, AI, connectivity, software, digital engineering and platforms. The Group reported in 2021 global revenues of €18 billion.

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