



DAIS Group

January 2024



- 1. Who we are**
- 2. What we offer**
- 3. Our Team**
- 4. Reference Projects**





DATA | ANALYTICS | INSIGHTS | SOLUTIONS

About DAIS Group

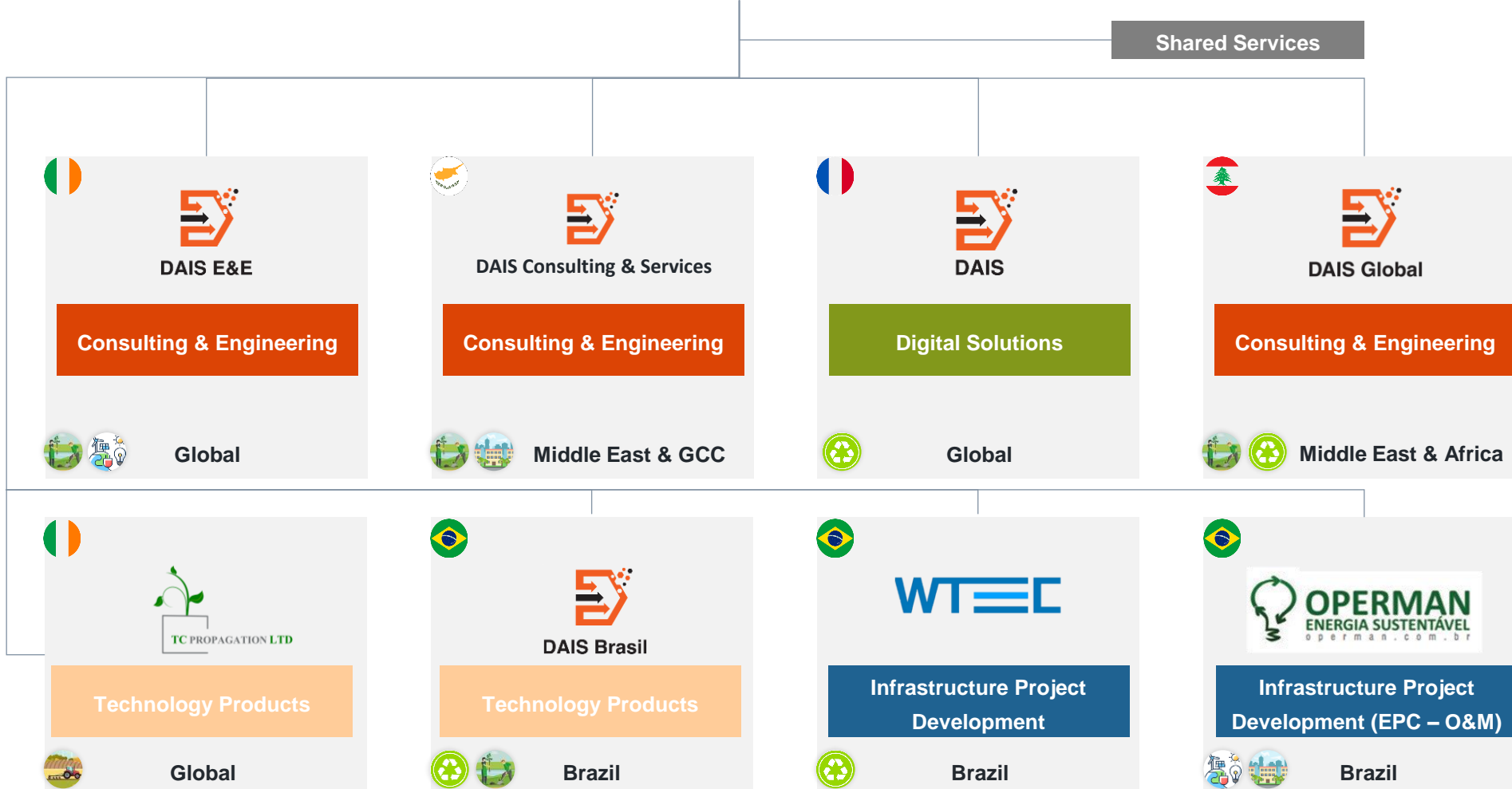
DAIS Group offers a comprehensive portfolio of services, products and solutions in the **Environment, Waste Management, Cities & Urban Development, Energy** and **Agriculture** sectors.

We are creating a global one-stop shop for all **Consulting & Engineering** services, **Digital** solutions, **Technology** products and infrastructure **Project Development** solutions. We advise our customers on complex projects and implement new technologies in the Environment, Waste Management, Cities & Urban Development, Energy and Agriculture sectors.

We stand for sustainable and comprehensive solutions across industries and provide our services to public and private sectors as well as international organizations.



DAIS GROUP

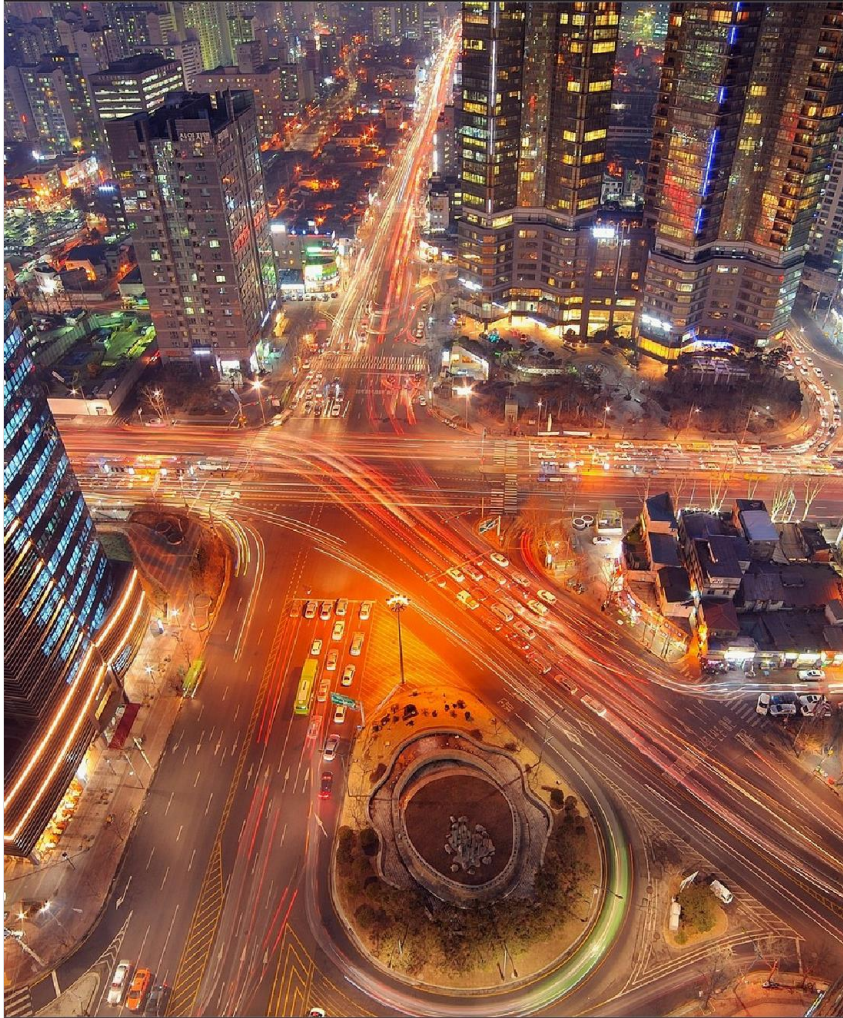


Sectors

- Environment & Resources
- Waste Management
- Cities & Urban Development
- Energy
- Agriculture

Services

- = Consulting & Engineering
- = Digital Solutions
- = Technology Products
- = Project Development



“*dais*” – from a Latin origin - means an elevated platform. DAIS is also an acronym of **D**igital, **A**nalytics, **I**nsights & **S**olutions. Today’s rapidly changing environment necessitates that individuals, communities and businesses transform and adapt in an efficient and cost-effective manner.

DAIS provides a platform to serve its clients across the globe by providing local insights and developing customized solutions. Digital sustainability is at the core of our services to help address grand challenges for communities, cities and governments and promote sustainable development.

DAIS diversifies its activities and operations in four (4) business paths across a variety of sectors: i) Consulting & Engineering; ii) Digital Solutions; iii) Technology Products and iv) Infrastructure Project Development.

DAIS name has been associated with “trust” & “expertise” and as such has gained significant strength in the quality of provided services, products and solutions.



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Our Services

Sectors

- 1 ENVIRONMENT
- 2 WASTE MANAGEMENT
- 3 CITIES & URBAN DEVELOPMENT
- 4 ENERGY
- 5 AGRICULTURE

Geography

- 1 EUROPE
- 2 MIDDLE EAST
- 3 GCC
- 4 LATIN AMERICA
- 5 AFRICA

Services

CONSULTING & ENGINEERING

SYSTEM DESIGN & ENGINEERING | CONSULTING SERVICES | INTEGRATED MODELLING

DIGITAL SOLUTIONS

DIGITAL TRANSFORMATION | SYSTEM INTEGRATION | DIGITAL PRODUCTS

TECHNOLOGY PRODUCTS

R&D | MANUFACTURING | TECHNOLOGY TRANSFER

PROJECT DEVELOPMENT

PROJECT DEVELOPMENT | FINANCING SOLUTIONS | EPC | O&M



1. Who we are
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4. Reference Projects



Our team combines international experience with regional market knowledge & experience



Eng. Mohamad Tarhini



Strategy & Management Consulting

- 17+ years of international experience
- Expertise in the energy, environment, waste management and urban development sectors.

Eng. Antonio Bolognesi



Infrastructure Development & Project Management

- 40+ years of international experience
- Extensive experience in structuring & development of energy, waste and infrastructure projects.

Dr. Abdullah Sayegh



Agricultural Scientist & Micro-propagation Expert

- 42+ years of international experience
- Co-inventor of Plantofrm Bioreactor in large scale micropropagation

Eng. Flavio Matos



Project Finance and Infrastructure Development

- 17+ years of international experience
- Expertise in project finance and infrastructure development in waste management & energy sectors.

Mr. Rodrigo Oliveira



Commercial & Sales

- 17+ years of Sales, Commercial & Management experience.
- Expertise in managing large executive accounts.

Our team combines international experience with regional market knowledge & experience



Eng. Paulo Adriano Jiurgiu

Technical Advisor

- 40+ years of experience in Thermal Power Plants Maintenance & Design



Mr. Rahim Al-Absi

Business Development

- Local Representative in the Republic of Iraq
- Client management with key public and private entities.



Eng. Neilton Junqueira

Industrial Manufacturing

- 40+ years of experience in management of manufacturing systems in companies producing capital goods for drives and power generation.



Dr. Leandro Andrade Furtado

Technical Advisor

- 10+ years of experience as researcher and consultant on energy efficiency and energy generation from waste (WTE) and natural gas.

We have successfully delivered challenging projects including...



WASTE MANAGEMENT -1-



Enhancing Operational Efficiency of MSW Collection and Transportation

Client: Ministry of Municipal & Rural Affairs (MoMRA), Saudi Arabia



Development of waste segregation at source program for municipalities

Client: Ministry of Municipal & Rural Affairs (MoMRA), Saudi Arabia



Optimization & Rationalization of Government Spending on Waste Management & City Cleaning Contracts

Client: Confidential - Saudi Arabia



Design & Development of Temporary Licensing System for Waste Sector in KSA

Client: National Center for Waste Management (MWAN), Saudi Arabia



Design of Waste E-manifest System for the Waste Management Sector in Saudi Arabia

Client: Mobile Systems International (MSI) / National Centre for Waste Management (MWAN)



Design of Fines and Penalties Schedule for the Waste Management Sector in Saudi Arabia

Client: National Centre for Waste Management (MWAN)

We have successfully delivered challenging projects including...



WASTE MANAGEMENT -2-



Design of Inspection System for Waste Management Sector in Saudi Arabia

Client: Mobile Systems International (MSI) / National Centre for Waste Management (MWAN)



Technical Advisory for Digitalization & Recycling in Kazakhstan

Client: European Bank for Reconstruction & Development (EBRD)



Design of Extended Producer Responsibility System for Tyres, Batteries & Single-Use Plastics in KSA

Client: DORNIER Consulting & Engineering Services



Technical & Economic Feasibility Study for Hospital Waste Treatment

Client: Hospital do Amor de Barretos, Brazil



Development & modeling of 240 000 t/y integrated Waste Management Facility including a 20 MWe WTE plant

Client: WM Consortium of Metropolitan Region of Campinas (LBR/CONSIMARES), Brazil



Technical & Economic Feasibility Study for Hospital Waste Treatment

Client: Santa Casa de Franca, Brazil

We have successfully delivered challenging projects including...



WASTE MANAGEMENT -3-



Study of energy use of rice husk waste at Camil's facilities

Client: BSG Valore S/A, Brazil



Technical and commercial support for market development and business opportunities in Brazil

Client: Constructions Industrielles de la Méditerranée (CNIM-France), Brazil



Technical Assistance to support implementation of a sustainable urban waste management projects in Brazil

Client: Low Carbon and Circular Economy Business Action in the Americas (LCBA), Brazil



Technical study on opportunities in the urban solid waste treatment market

Client: Galvão Participações S/A , Brazil



Study for the Implementation of an Energy Recovery Unit for Solid Waste in Baixada Santista

Client: Foz do Brasil S/A / Odebrecht Ambiental, Brazil



Strategic and Technical Advisory for WEG's Repositioning in the Waste To Energy Market in Brazil

Client: WEG, Brazil

We have successfully delivered challenging projects including...



WASTE MANAGEMENT -4-



Technical, Legal & Financial Modelling for an integrated Waste Management Facility with over 700 t/y of capacity, including a 55 MWe WTE plant
Client: Special Projects Secretariat (SEPE)/ Federal District Government (GDF), Brazil



Complete development & modeling of a 236 000 t/y integrated Waste Management Facility including a 22.5 MWe WTE plant in Brazil
Client: CELEO, Brazil



Technical evaluation for a 240 000 t/y Municipal Solid Waste-to-Energy plant in Brazil

Client: Orizon - Valorização de Resíduos, Brazil



Technical-Economic modeling for a 2 x 312 000 t/y Municipal Solid Waste to Energy plant in Brazil

Client: ECOURBIS, Brazil



Technical Consulting and Business Management Services

Client: Bryk Industria de Panificação Eireli, Brazil



Technical & Economic Studies for determination of government auctions' power tariff to allow feasibility of Waste to Energy projects in Brazil
Client: Brazilian Association of Energy Recovery from Waste (ABREN) & Ministry of Energy (MME), Brazil

We have successfully delivered challenging projects including...



WASTE MANAGEMENT -5-



Regularization of the registration ContourGlobal's subsidiaries & professionals before the regional engineering councils of Brazilian states

Client: Countour Global, Brazil



Technical Consultancy in Waste Management

Client: Brazilian Association of Energy Recovery from Waste (ABREN-WTERT), Brazil

We have successfully delivered challenging projects including...



ENVIRONMENT



PMO Support for the Green KSA Project (10 Billion trees Study)

Client: National Centre for Vegetation Cover & Desertification Combat (NCVC), Saudi Arabia



Technical & Management Support for Desertification Combat & Draught Management in Saudi Arabia

Client: National Centre for Vegetation Cover & Desertification Combat (NCVC), Saudi Arabia



EU-Brazil Policy Dialogue on methane reductions in agriculture and urban waste sector

Client: GIZ International Services, Germany

We have successfully delivered challenging projects including...



CITIES & URBAN DEVELOPMENT



Design and implement a quality assurance system for city cleaning services

Client: Ministry of Municipal & Rural Affairs (MoMRA), Saudi Arabia



Development of a study to define and propose the location for installation of new sewage treatment plant

Client: Harald Industria e Comercio de Alimentos S/A, Brazil



Assessment of Opportunities & Gaps for Investments in South Africa & SADC

Client: Development Bank of Southern Africa (DBSA), South Africa

We have successfully delivered challenging projects including...



ENERGY -1-



Project Development Advisor - 2x35 MWe biomass fired power plants and biomass sourcing

Client: Nova Italia Wood Pellets, Brazil



Overview of the Electric Sector

Client: Energisa group, Brazil



Report on Regulatory & Market aspects of the Biofuel/ Biomethane/ Natural Gas sector

Client: SUMITOMO Corporation, Brazil



Feasibility Study for the Production of Pellets from Sawmill Residues in the Amazon Region

Client: Ministry of Environment, ICMBio, Brazilian Forest Service, Brazil



Technical feasibility study for participation in the auction for Hydropower plants Concessions and Technical Assessment of Small hydropower plant of Rochedo - CELG

Client: Brasil Comercializadora de Energias Ltda, Brazil



Feasibility studies for the conversion and aerial diversion of a section of the 440 kV Bauru – Embu Guaçu overhead transmission line

Client: JHSF Participações S/A, Brazil

We have successfully delivered challenging projects including...



ENERGY -2-



Studies for Regulation of the Brazilian Electric Sector Infrastructure

Client: Fundação Getúlio Vargas (FGB), Brazil



Feasibility study of generation and prospection of alternative energy business in Brazil

Client: Shaghai Pengxin Group (China), Brazil



Support in the dissemination of information on topics and news from the Brazilian Electric Sector

Client: BSG Valore S/A, Brazil



Expert technical service in arbitration proceedings

Client: Water and Energy Metropolitan Agency of São Paulo, Brazil



Technical Coordination of the technological replacement project of units 1 and 2 of the Piratininga Thermoelectric Power Plant

Client: Gasen Energia S/A – Grupo Renova Energia S/A, Brazil



Design of a 3 Photovoltaic Plants of 18 MWe in Teresina/PI

Client: Fundação Instituto de Pesquisas Econômicas (FIPE), Brazil

We have successfully delivered challenging projects including...



AGRICULTURE -1-



Technical advisory to enhance plant production capacity

Client: Hailey Plant Tissue Culture Laboratories, Sri Lanka



Set-up of pot, hydroponic and aeroponic systems for mini tuber production systems

Client: Gadera Limited and Fitzgerald Nurseries, Ireland



Design and Development of Plantform Bioreactor

Client: Swedish Agricultural University, Sweden



Technical advisory services and setting-up a laboratory

Client: Juno Sal, Lebanon



Technical advisory services

Client: Gadera Limited and Fitzgerald Nurseries, Ireland



Development of protocols to produce and commercialize sweet potato

Client: Fitzgerald Nurseries, Europe

We have successfully delivered challenging projects including...



AGRICULTURE -2-



Development of new ornamental plant lines including Black Adder Phormium and Ever Series of Carex

Client: Fitzgerald Nurseries, Ireland



Participation under Plant Technology Ltd with Sheffield University in Plant Intellectual Rights Project for EU

Client: Sheffield University , United Kingdom

... and we worked for clients in the private & public sectors as well as international organizations





DAIS

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Email: info@dais-global.com

www.dais-global.com

DAIS Energy & Environment Ltd

6-9 Trinity Street, Dublin 2
D02, EY 47
Dublin, Ireland
Telephone: +353 (1) 209 19 16

DAIS Brazil Ltd

Rua Dr. Paulo Tinoco Cabral,
613, Suite 14, Ribeirão Preto,
São Paulo, Brazil
Telephone: + 55 (16) 3237-2212

DAIS SAS

60 rue Francois 1er
75008
Paris, France
Telephone : +33 (6) 70443869

WTEEC Engineering Ltd

Rua Bandeira Paulista, 600
Itaim Bibi, São Paulo (SP)
Telephone: +55 11 3705 6015

DAIS Consulting & Services Ltd

3, Akarnanias
Germasogeia, 4042
Limassol, Cyprus
Telephone: +357 99 739994

DAIS Global SAL

Level 2, Louis Vuitton Building
Suite 2029, Allenby Street
Beirut, Lebanon
Telephone: + 961 (1) 95 76 37

TC Propagation LTD

Park Bree, Enniscorthy
Y21 P8X9
Wexford, Ireland
Telephone: +353 873113811

Operman Engenharia e Consultoria Ltda

Rua Amparo, 142
Valparaíso, Santo André (SP)
Telephone: +55 11 44255716