EIA SOLUTION

Who Are We?

- 6+ years Engineering Services and Solutions experience in Automation, Design Engineering (Electrical & Instrumentation), Plant IT and Software

Our Client Portfolio

- Serving Global OEMs (Process, Discrete & Automation), EPCs, Solution Providers (SPs) and System Integrators (SIs)

Industry Spectrum

- 10+ Industries- Food & Beverages, Railway, Pharmaceuticals & Chemicals, Energy & Power, Oil & Gas, Infrastructure & Utilities, Metals & Mining and Automotive & Machinery

Our Global Experience

- Our engineers have an excellent track record and customer recognitions across the globe in Europe, America, Africa, Middle East & Asia Pacific

Our Strength

- Multi-disciplinary & Multi-platform Engineers with Global experience
- An in-house multi purpose Pro-soft to manage all your projects

EIA-Solution Locations

EIA-Solution Projects

EIA-Solution Engineers

AZI-Concept Engineers

- **Production Line**

EIA-Solution provide engineering services. In order to handle to full package engineering + electrical panel supply, our short term plan is to open a production factory in Tunisia.
The business plan is already done and comfort us to target end of 2020 to have a factory ready for production.

The latest schedule is as follow:

- January 2020: Create EIA-Solution legal status in Tunisia
- July 2020: Raise fund. Objective 300K euros
- August 2020: Set location for the factory
- From August to December 2020: Hire and train the adequate staff.

First project can be handle as soon as the staff is ready to work.

- **Design Engineering**

The Design engineering, is performed by EIA-Solution/AZI-Concept France.
The new Tunisian Engineering team would be in charge of all electrical engineering.

- **EIA-Booster**

Our Pro-software will remain under EIA-Solution Ltd Hong Kong control

- **F**ocus on Customers: We aim customer's expectation at all times by consistently delivering quality service in a timely & efficient manner until full accomplishment.

- **O**wnership for Results: We are committed to achieve results in time, are dependable & go beyond the call of duty if required.

- **R**esponsibility towards People: We provide equal opportunities to people for growth & development. We build collaborative & congenial work environment for people to give their best.

- **C**ulture: We have the courage to accept challenges & give our best attempt to succeed.

- **E**thical: We ensure that all our actions reflect honesty, safety, transparency & integrity.

Industry Focus

Railway

Control and command
- Power SCADA system
ATS/Interlocking
- Signaling
CMSS
- ICSS – FSCADA system
UTILITIES
- Smoke extraction system
- Sump pump/Escalators/pwr

Water Treatment

Control and command
- Ultra Pure Water Loop Distribution
Flow/Pressure control
Quality management
- *Analytics and reporting*

Production Industries

Control and command
- Production control system
Quality management
- *Analytics and reporting*

Nuclear
Control and command
- HVAC
- Sump pump/Escalators/ LV distribution
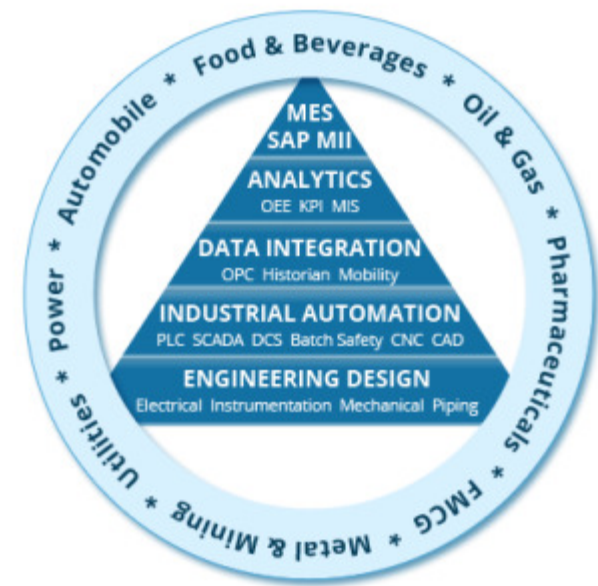
Oil & Gas
Control and command
- Manifold counter fire system
- Oil distribution system
- Auxiliary Generator system

Industrial Automation - PLC, DCS, HMI/ SCADA, Safety system up to SIL3, Drives, CNC & Robotics, Automation Training

Plant IT - SAP MII, MES, MIS, BATCH, OEE, LIMS & Historians

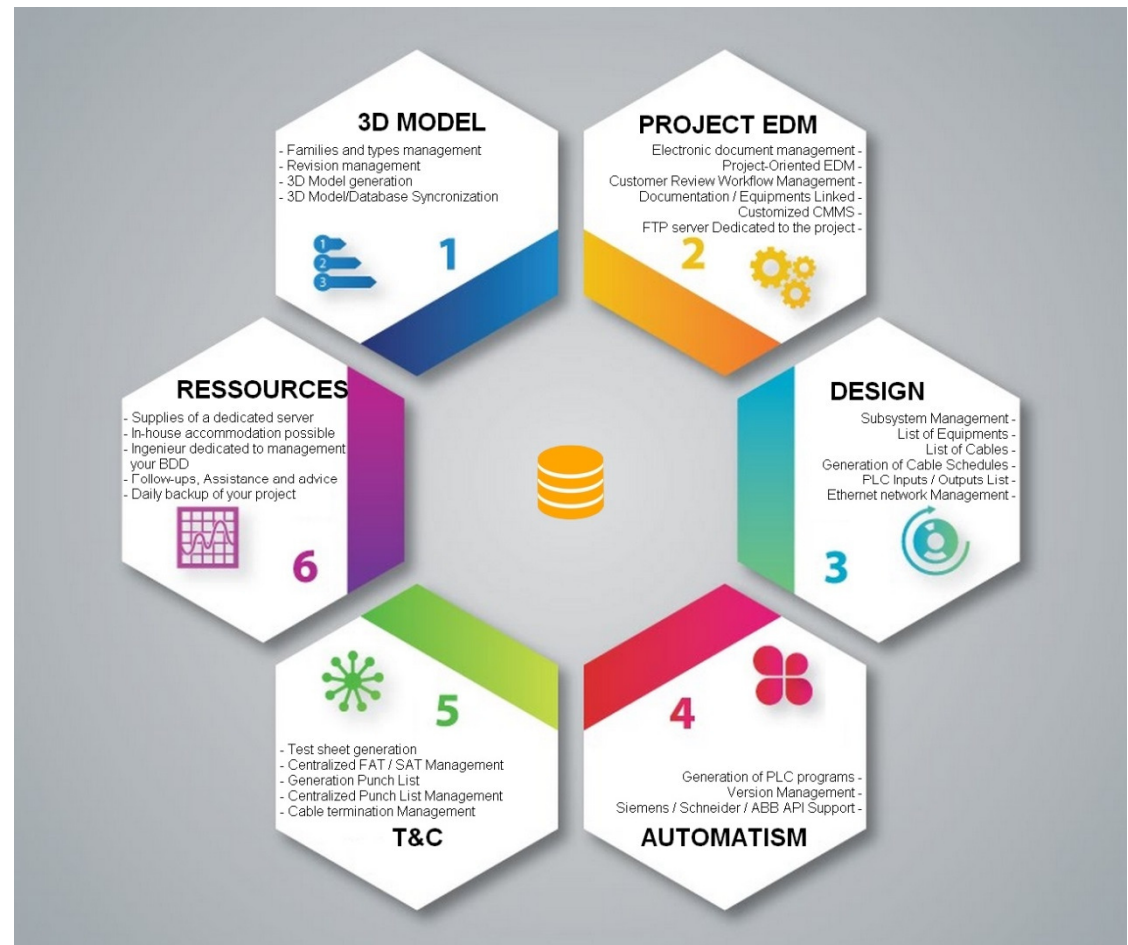Design Engineering - BIM, CAO/DAO, Electrical & Instrumentation

Pro-Software - Microsoft & Open Source Technologies, CAO/DAO, BIM. Own Pro-Soft EIA-Booster

Over the years, EIA-Solution head engineers have capitalized and centralized their skills and developed a solution for the realization of your projects.

Manage your projects in an intuitive and innovative way. EIA-Booster offers you different modular components according to the needs of your projects. Procurement, a project oriented Electronic Document Manager, Design manager, PLC configuration generator, Quality manager and configuration follow-up, Test and Commissioning Wizard and other components, you are offered and if necessary, tailored to your needs.

3D MODEL
- Families and types management
- Revision management
- 3D Model generation
- 3D Model/Database Syncronization

1

PROJECT EDM
Electronic document management -
Project-Oriented EDM -
Customer Review Workflow Management -
Documentation / Equipments Linked -
Customized CMMS -
FTP server Dedicated to the project -

2

RESSOURCES
- Supplies of a dedicated server
- In-house accommodation possible
- Ingenieur dedicated to management your BDD
- Follow-ups, Assistance and advice
- Daily backup of your project

6

DESIGN
Subsystem Management -
List of Equipments -
List of Cables -
Generation of Cable Schedules -
PLC Inputs / Outputs List -
Ethernet network Management -

3

T&C
- Test sheet generation
- Centralized FAT / SAT Management
- Generation Punch List
- Centralized Punch List Management
- Cable termination Management

5

AUTOMATISM
Generation of PLC programs -
Version Management -
Siemens / Schneider / ABB API Support -

4

Industrial Automation Services

- PLC, SCADA & HMI
- DCS Engineering
- Safety systems & Drives Engineering
- CNC, Motion & Robotics Engineering
- Automation Audit and Gap Analysis
- Documentation & Specifications (FDS/ DDS)
- Pharmaceutical Validation Services
- Operator Training
- 24x7 Support

Plant IT Solutions

- Manufacturing Execution System (MES)
- MES Enablement and Industrial Connectivity
- Batch Engineering
- Genealogy & Tracking Solutions
- Management Information System (MIS)

Services

- Detailed Engineering
- Drafting/ Modeling
- Migration/ Data Conversion
- Analysis/ Simulation

Tools & Technologies

- Mechanical: AutoCAD, SOLIDWORKS, Revit, MicroStation
- Electrical & Instrumentation: EPLAN, AutoCAD

Automation

- PLC: Siemens S7/PCS7, Schneider Electric Twido soft/Unity Pro, Rockwell RSLogix, Yokogawa system …
- SCADA: Windows System Platform (Archestra, Intouch), WinCC+Flexible, PCVue, FactoryTalk View …

Industrial Network

- We handles most protocols and technologies like: Modbus RTU/TCP, Profisafe, IEC101-104…

End-to-End Scope of Services & Solutions

Engagement Types

Onsite Engineering
- Geographically Flexible Model
- Application Engineering
- Installation & Commissioning

Offsite Engineering
- Design & Development
- Testing
- Documentation

Hybrid Business Model
- Combines Onsite & Offsite
- Multi-disciplinary Engineering
- Optimize project cost

Engagement Terms

Flexible
- Time & Material
- Fixed Cost Type
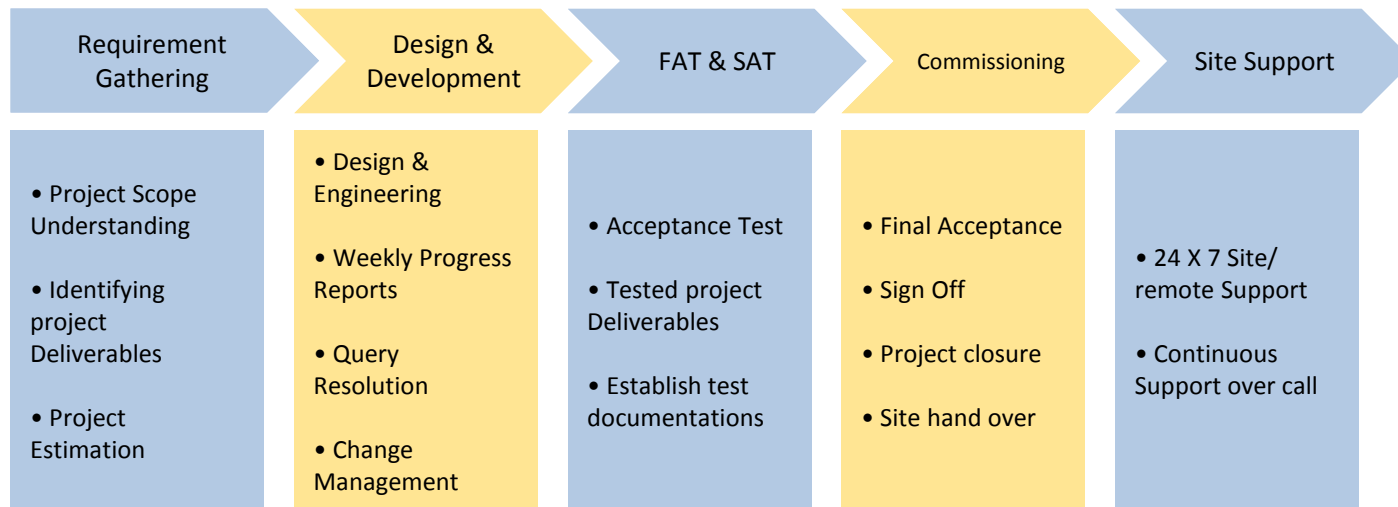- Master Services Agreement (MSA) based on volumes

Scalable
- Few Man weeks
- Multi Man-Year
- Contractual agreements based on project requirements

Agile
- End-to-end engagement from pre-bid to post-commissioning
- Introduction in running project
- Engagement at any stage of the project

End-to-End Scope of Services & Solutions

Integrated project management through Cloud-based Tool

Requirement Gathering	Design & Development	FAT & SAT	Commissioning	Site Support
• Project Scope Understanding • Identifying project Deliverables • Project Estimation	• Design & Engineering • Weekly Progress Reports • Query Resolution • Change Management	• Acceptance Test • Tested project Deliverables • Establish test documentations	• Final Acceptance • Sign Off • Project closure • Site hand over	• 24 X 7 Site/ remote Support • Continuous Support over call

Global Project References

Project References

End Customer	Our Customer	Project Location	Project Description	Tools/Technology
Saint-Gobin	Saint-Gobin	France – Pont a mousson	Automation System Revamp/Upgrade	Schneider Electric, AutoCad, EIA-Booster
CGN (China General Nuclear)	Areva	Chine – Taishan	Manage Systems Automation and instrumentation interfaces	Schneider, Siemens. Various instruments. AutoCad, Eplan, EIA-Booster
MRT Corp.	Colas Rail Asia	Kuala Lumpur - Malaisie	Manage and develop the full automation of the Power Supply and Distribution System for the MRT2 Line + T&C	Siemens PCS7, WinCC Flexible, Wonderware System Platform, EIA-Booster, RuggedCom Ethernet Switch
MRT Corp.	Colas Rail	Cergy Pontoise - France	Prepare the engineering documentation (specifications, plans, procedures …) related to the automation of the Power SCADA for the MRT2 Line	Siemens PCS7
Global Foundries	Ovivo	Malta – NY – USA	Creation of a Highly Purified Water loop distribution	Rockwell RSLogix + FactoryTalk View

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