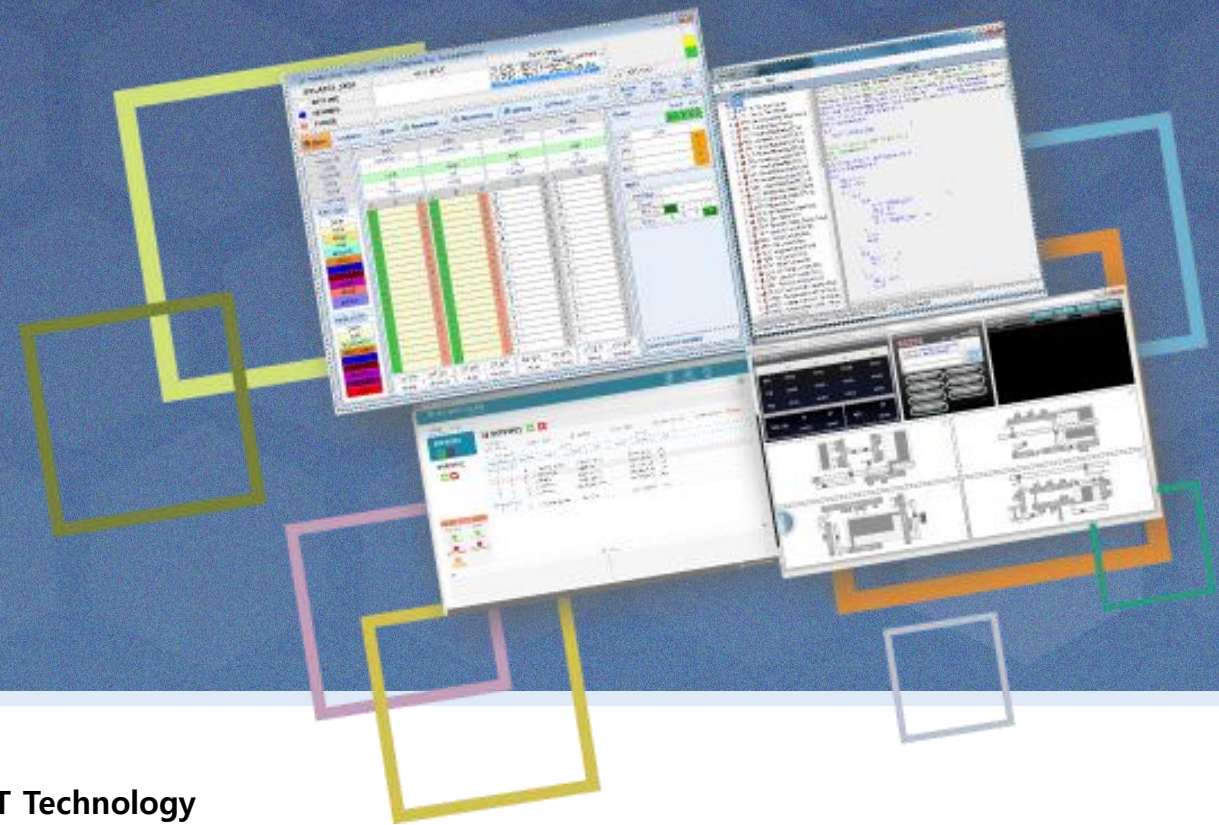


OPEN SOLUTION GROUP



WWW.OPENSFG.NET



Hightech solution, Consulting and SI Service based on Microsoft .NET Technology
For Automation

Passion

Teamwork

Open SG.net
OpenSG

Trust

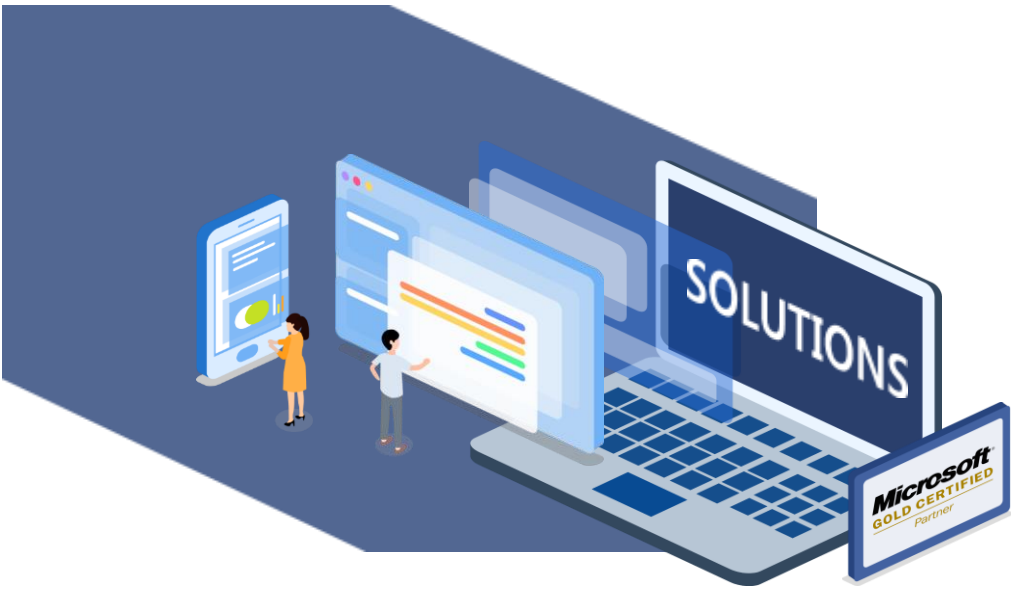
New
Technology

Vision

OpenSG Corp. is the leader in platform areas based on Microsoft's tech.
We provide SI, consulting and education related to,
and always do our best to be the best partner who achieves a goal that our clients want.

In the next few years, we would like to design and lead all parts
related to development such as .NET platform based Windows application,
web application, smart client solution and distributed solution of company environment.





Microsoft Gold Partner

- Provide SI, education and consulting service based on Microsoft's new tech

Manufacturing Automation Specialist Solution

- Provide the customized Smart Factory solution based on strong technical skill and experience

UI / UX Based App Development Framework

- Provide personalized interface and fast performance and stability

Monitoring



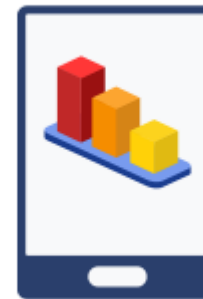
2D/3D layout based
equipment simulation monitoring system

Real-time Equipment Control



Remote control system enable to cope
with various equipment products in real time

Mobile for Smart Factory



Automation monitoring system
using mobile application

Big-data Based Equipment Analysis



Big-data based
equipment productivity analysis system

Certificate



PARTNERS & CUSTOMERS



에스원



OMRON



TOPTEC



PARTNERS

CUSTOMERS

History of OpenSG

[Samsung Electronics]
Robot system for \$10,000
Robot self-evaluation system

Visual Monitoring Toolkit

[Bistel Inc.]
Fab automation framework consulting

2008

2009

[Samsung Display]
UV fluorescence automation monitoring system

[Samsung Display]
INDEXER control standard system

[Samsung Heavy Industry]
Wind power generator monitoring system

[Samsung Electronics]
Injection molding standard web platform

2010

[Samsung Display]
Equipment event verification system
Alarm monitoring system

[Samsung Electronics]
TP Center AIMS
TP Center equipment management system

2011

[Samsung Display]
SSL sensor EDA
Robot&Automation portal
SSL Indexer control system/Integrated monitoring system

[Samsung Electronics]
Tianjin LED AIMS integrated monitoring system
TP Center IOC 2.0
TP Center EES
TP Center QM system
TP Center TP Tool improvement for verification/management
TP Center SESS()
TP Center Smart-Wox® Framework

[Samsung Heavy Industry]
Ocean wind power generator monitoring system

2012

2013

[Samsung Display]
SCS(Stocker control system)
SSL robot & Automation portal
Module line Monitoring system

[Samsung Electronics]
Self driving ACS(AGV control system)
EES UI renovation
TP Center Xian, China QM
TP Center MOS
TP Center production/standard information system
Smart-Wox® Framework

2014

[Samsung Electronics]
OHT Control & Monitoring
MCS Test automation system
EES UI 2.0 Renovation
TP Center QM system

[Samsung Display]
Conveyor CIM
SSL integrated monitoring acceleration development

[SK Hynix] WT Monitoring system
[Yonsei Medical Center] u-Severance 3.0

2015

[Samsung Display]
Hightech eMAS system
Cell Repair reverse stage CIM system
Module manufacture innovation competition(Suzhou, China SSM)
– Exhibition of Automation solution

[Samsung Electronics]
Automation(MCS, OCS) system
TTTM system / EES RMS UI development / EES FDC, APC UI development

[SK Hynix]
FAB real-time emergency detection system
P&T FMS

[Samsung Heavy Industry] Remote maintenance system
[Steco] eMonitoring system

2016

[Samsung Electronics]
OHT Control & Monitoring
MCS Test automation
EES UI 2.0 Renovation
QM system
Semi MCS/OCS Management Tool

[Samsung Display]
Conveyor CIM
Hightech SSL integrated monitoring system

[SK Hynix]
FAB Automation Identical Environmental Condition Phase-II
CMS Fab Safety monitoring system
Wuxi FAB real-time emergency detection system
SmartMCC Equipment Operational Condition Optimization Analysis
M14 Equipment PM Automatic Computerization-spread
Renovation of based on Biz.Process
Manufacture Visibility Assurance and Decision Support System Ph2(PT)
FDC long-time data analysis

SESS Manufacture Workplace Upward Leveling
TP Center Upward of Quality System (YMS)
TP Center TLM system development
AMHS Layout automation of design verification
Mars Prime equipment data utilization system standardization



Products of OpenSG

Monitoring



AIMS®
Integrated
Monitoring Solution

Mobile



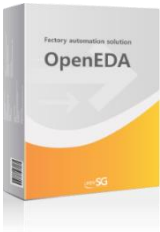
Open vTalk®
Mobile Walkie-talkie
Solution

Comm Driver



OpenHSMS®
SECS/GEM Driver
OMRON SYSMAC
Gateway
Ethernet/IP Driver

Data Acquisition



OpenEDA®
Realtime EQ/Sensor
Data Acquisition System



OpenEQCIM®
Realtime Equipment
CIM System

App Framework



Smart-Wox®
Microsoft .NET
WPF & WCF based
General Application
Development &
Managing Framework



CCF®
CIM Control
Framework



Map Designer®
Map design
Solution for OHT
and AGV

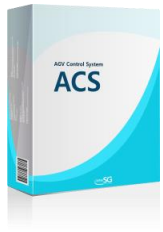
Equipment Control



IDX Controller®
INDEXER Control
System



SCS®
Stocker Control
System



ACS®
AGV Control
System

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"Teamwork, Passion, Trust, New Technology"

The growing company considering teamwork, passion, trust and new technology as virtues.

In Jan, 2007, OpenSG Corp. is established based on the Open Solution Group
that is the meeting by IT development specialists. We have considered
providing high-quality customized solution with strong IT skills and passion as the best value.

Our employees have a pride of their work and lead to successful result of project with strong
teamwork. Also, we are keeping maintaining a friendly relationship with clients based on these skills
and trust.

Recently, the global business and IT market have been changing rapidly.

In this situation, the group only who has the best skills and Know-how experienced
in various field can cope with the future.

We are ready to achieve a successful goal to satisfy clients with our these strength.

We would like to ask for your continued encouragement and interest
in the efforts of "OpenSG Corp."

Thank you.

WWW.OPENSF.NET

