OPTIMIZING
TODAY
FOR
TOMORROW

RSG
ROCK SOLID GROUP

TABLE OF CONTENT

ABOUT US

Trusted by 20+ Happy Customers
We listen. We advise. We design, together.

Happy customers and ongoing relationships
are what we strive for.

INTERNATIONALLY CERTIFIED IT PARTNER

WORLD CLASS GAMING CENTER DESIGNER

20+ HAPPY CUSTOMERS

200+ PROJECTS COMPLETED

RSG technology solutions, providing excellence in technology contracting since 2015.

RSG is an information technology, communication, gaming and stadium solutions provider company. Our headquarters are in Riyadh, Saudi Arabia, with one branch office in Jeddah, Saudi Arabia.

With our extensive experience, we develop a spectrum of solutions for organizations across the business industry. From business intelligence, resource planning, cybersecurity, IT services and media production, to gaming, stadium solutions and maintenance, RSG is able to tailor a full package to meet the organizational needs.

OUR CLIENTS

ICAD
Global Technology Corporation

MBL
MODERN BUILDING LEADERS (MBL) Co. LLC
شركة قادة البناء الحديث المحدودة

First Fix

الشؤون الخاصة لسمو ولي العهد
CROWN PRINCE PRIVATE AFFAIRS

IPARK

BAUMAT

jedco

MOUAWAD
TECH OFFSHORE

iFAS

MSC s.a.l
READY MIX CONCRETE

GRAND HILLS
HOTEL & SPA
BROUMANA

MOUAWAD

OUR MISSION

We aim to support our customers efficiently by providing the best services and solutions for private and public sectors.

OUR VISION

Rock Solid Group's vision is to become a global leader in customized technological solutions. **RSG** has been providing excellence in technology contracting since 2015.
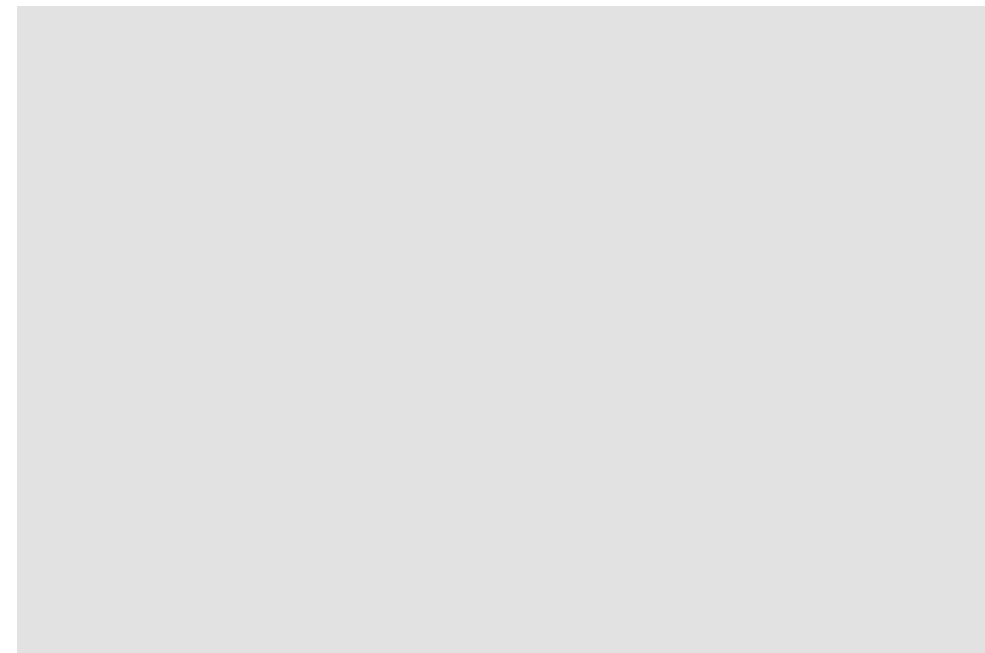
OUR SERVICES

We Offer a Wide Variety of Services

INSIGHT

Business Intelligence

Our Insight Business Intelligence, is a set of technologies, applications, and practices for collecting, integrating, analyzing, and presenting business information.

BI helps organizations to make better decisions, identify new opportunities, and optimize their operations by providing insights and trends based on data from various sources.

BI can include tools like data warehousing, data mining, dashboards and reporting software, among others and it can be used across industries and functions to improve performance and competitiveness.

SERVICES

- **BI Consultancy:** Our professional team of data scientist is ready to answer your BI-related questions and make the most out of BI solution.

- **BI Development:** A dedicated team of data scientists and developer will design a customized BI solution that meets your business objectives.

- **BI Implementation:** When the design is ready and approved, implementing it is just a matter of time. Dashboard insights will look beautiful!

PRODUCTS

- Airport Insight
- Concrete Insight
- Telematics Insight

AIRPORT INSIGHTS

CONCRETE INSIGHTS

TELEMATICS INSIGHTS

Enterprise Resource Planning (ERP) System

Daleel, the ERP Solution Tailored for your Enterprise.

It is designed to help organizations manage and integrate their core business processes, such as accounting, human resources, inventory management, procurement, customer relationship management, and supply chain management.

The goal of Daleel ERP system is to provide a centralized and unified view of an organization's data and processes, which can help to improve efficiency, reduce costs, and increase visibility into operations.
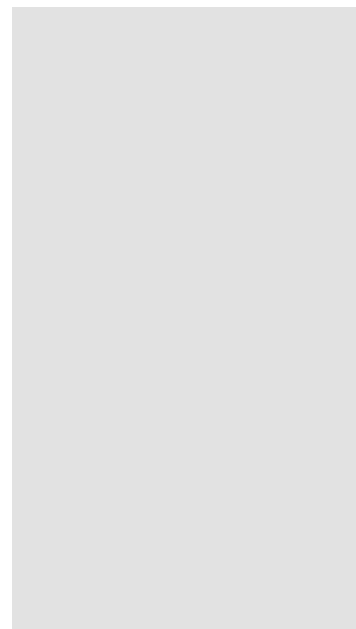
Daleel ERP system can be customized to meet the specific needs of an organization and may include features such as workflow automation, reporting and analytics, and collaboration tools.

HUMAN RESOURCES

- Joining employees
- Employee profile
- Employee transfer
- Organization structure
- Termination / resignation
- Clearance process
- Warning management
- Time & attendance services
- Leave management
- Employee evaluation
- Employee self-service
- Welfare service

WORKFORCE MANAGEMENT

- Efficient labor cost management
- Timely payroll submissions
- Real-time insights
- Customized reports with filters and groupings
- Track overtime versus regular hours
- Automate all pay calculation
- Equipped with face recognition and fingerprint access control, BioVision eliminates "buddy punching" for good
- Access control for HR officers anywhere, anytime
- Leave management
- Employee evaluation
- Employee self-service
- Welfare service

BIOVISION TIME & ATTENDANCE

- State of the art Biometric Time and Attendance system
- Multi Sites with Infinite Schedules
- Employee work hours calculation by minutes
- Payroll and multiple time & attendance reports

REPORTING
(More than 120 reports)

- Punching device dashboard
- Attendance
- Project status
- Manpower distribution
- Performance evaluation
- Project materials
- Cost control

ORGCHART

Graphical tool that loads the data of the organization from the HR module and display them in a graphical chart. This tool can be displayed in two ways (by Organization Units or by Line Manager). It supports two way synchronizations with the HR module.

RECRUITMENT MODULE

A module to manage the recruitment process from sourcing to contract and to organize the job openings and applications. It will simply keep track of submitted applications and build a database of expertise and profiles.

PERFORMANCE MANAGEMENT MODULE

A module to strengthen the company's key asset - the employees - by reviewing employees' performances, and setting up periodical employee evaluation.

▶ ▶ ▶ **ADDITIONAL DALEEL SERVICES**

DOCUMENT CONTROL

- Manage library
- Manage content type
- Manage documents
- Document versioning
- Document history
- Multiple file upload
- Document access control
- Document security
- Archives

TENDER MANAGEMENT

- Simplify tender processes (PEQJ)
- Enable Account Managers to keep track and follow up on the upcoming submission
- Shift project status as per project flow
- Advanced analytical and graphical report

COST CONTROL

- Man-days estimation
- Traveling expenses
- 3 Level project materials
- Car expenses
- Accommodation
- Consultancy

PROCUREMENT MANAGEMENT

- Record updated catalog of items, vendors and suppliers
- Automate procurement tasks
- Compare quotations
- Manage enterprise vendor's relations
- Control procurement process
- Generate reports for better management of procurement tasks

WAREHOUSE MANAGEMENT SYSTEM

- Basic stock management
- Procurement & costing
- Distribution management
- Sales orders management
- Sales orders live monitor
- Production management
- Production live monitor
- Inter-company stock transactions
- Advanced stock management & re-ordering

ACCOUNTING SYSTEM

The accounting module, is a set of procedures and processes to record, classify, and summarize financial transactions in order to produce accurate and timely financial statements.

It provides relevant, reliable, and timely information about the financial health of a business and to support decision-making processes related to budgeting, forecasting and strategic planning.

VIRTUAL BANKS

A tool to manage all the banks transactions from receivables to payments. It manage and distribute the banks balances to Divisions and Projects. It can manage also loans and payments between Divisions and Projects.

BANK FACILITIES

A tool to manage and organize the organization facilities with many banks:
Balances . Limits . Margins

IT SERVICES

At RSG, we understand that IT services play a crucial role in enabling businesses and individuals to leverage the power of technology to achieve their goals and objectives.
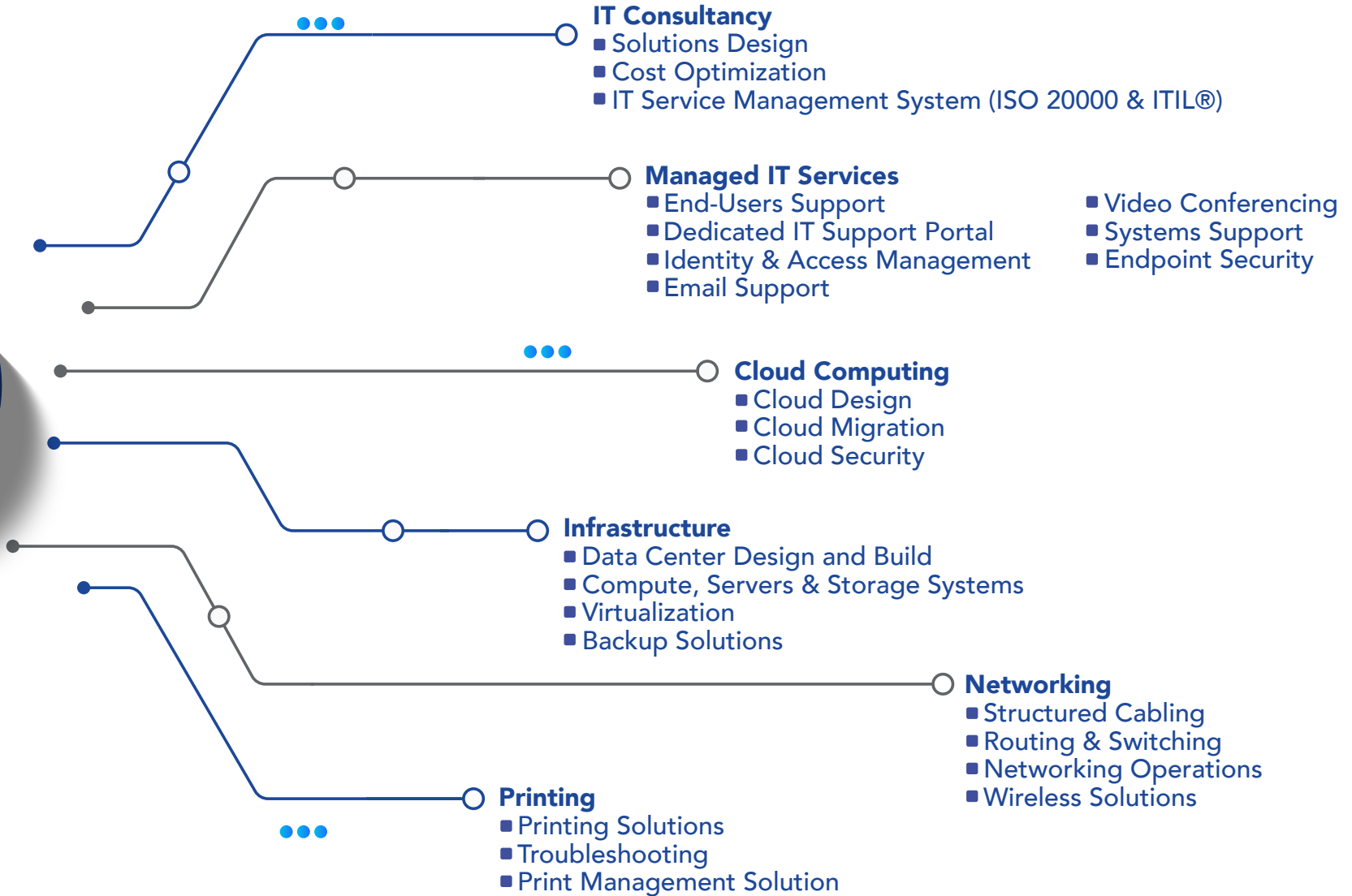
Managed IT services is at the core of what we do at RSG.

Our staff is already handling IT support, networking and systems administration for many clients across Saudi Arabia.

Outsource your IT operations with ease, handover the headache to RSG.

Our services include:

IT SERVICES

IT Consultancy
- Solutions Design
- Cost Optimization
- IT Service Management System (ISO 20000 & ITIL®)

Managed IT Services
- End-Users Support
- Dedicated IT Support Portal
- Identity & Access Management
- Email Support
- Video Conferencing
- Systems Support
- Endpoint Security

Cloud Computing
- Cloud Design
- Cloud Migration
- Cloud Security

Infrastructure
- Data Center Design and Build
- Compute, Servers & Storage Systems
- Virtualization
- Backup Solutions

Networking
- Structured Cabling
- Routing & Switching
- Networking Operations
- Wireless Solutions

Printing
- Printing Solutions
- Troubleshooting
- Print Management Solution

▶ ▶ ▶ **OUR EXPERTISE & SCOPE OF TECHNOLOGIES**

CLOUD SERVICES

Azure   aws   stc

Google Cloud   IBM Cloud

INFRASTRUCTURE

3M   FORTINET   IBM

Microsoft   vmware

CISCO   hp HEWLETT PACKARD   Hewlett Packard Enterprise

DELL   DELLEMC   aruba

xerox   Lenovo   Canon

COLLABORATION

CISCO   AVAYA

webex   Yeastar
by cisco

Microsoft Teams

NETWORKING

CISCO   3M

aruba   D-Link

PRINTING

xerox   HEWLETT
         PACKARD

Canon   RICOH
         imagine. change.

CYBERSECURITY

Build a Rock Solid Environment

In simple terms, RSG's cybersecurity services works on empowering PEOPLE, optimizing PROCESSES, and IMPLEMENTING suitable TECHNOLOGY to achieve optimal levels of CONFIDENTIALITY, INTEGRITY, and AVAILABILITY of information assets.

▶ CYBERSECURITY SERVICES

Security Strategy
Following industry best practices, we build corporate security strategy and align it to business objectives.

Defense in Depth
A multiple layers of security controls applied throughout the IT systems and network.

ISMS Implementation & Compliance
Information security management system implementation, example: ISO 27000 family of standards.

PEOPLE
Staff Awareness
Professional Skills
Competent Resources

PROCESS
Frameworks
Governance
Best Practices
Audits

TECHNOLOGY
Software
Infrastructure
Physical Components

01 CONFIDENTIALITY
INFORMATION SECURITY
02 INTEGRITY
03 AVAILABILITY
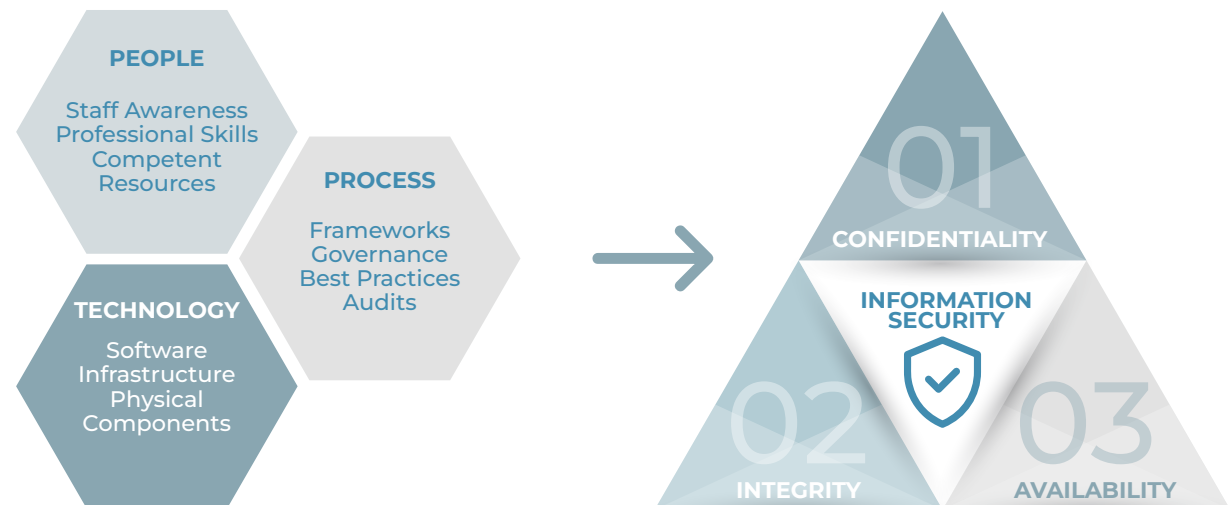
Pen Tests
Penetration testing and red team exercises.

Cybersecurity Awareness
Cybersecurity Awareness, training, phishing simulations and reporting.

Code Review
Source code review and reverse engineering.

Audit & Compliance
Cybersecurity audit to ensure compliance with standards such as ISO27001, SOC 2, NCA Guidelines and Aramco SACS-002.

Role-based Training
A tailored security awareness training that fits the role of the employee within the organization and reduces the risks.

DR & BCP
Disaster recovery and business continuity plans are vital part of our information security program.

▶ CYBERSECURITY FRAMEWORK

Identification
Our cybersecurity team can help you understand your organization's most important assets and resources; We help you in asset management, business environment definition, governance requirement definitions, risk assessment, risk management strategy and supply chain risk management.

Protection
The cybersecurity team at RSG follows standard technical and physical security controls for developing and implementing appropriate safeguards and protecting your critical infrastructure. Under this function, we consider identity management and access control, awareness and training, data security controls, information protection processes and procedures, maintenance and protective technology.

Detection
RSG helps your business by implementing measures that alert you to cyberattacks. We help you in deploying solutions to detect anomalies and events, and continuously monitoring your infrastructure for early detection processes.
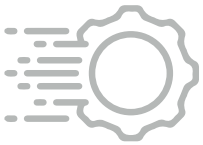
Response
The experienced and highly skilled cybersecurity team will ensure your organization has an appropriate response to cyberattacks and other cybersecurity events. RSG offers services such as incident response planning, as well as mitigation and improvements activities.

Recovery
Our recovery activities implement plans for cyber resilience and ensure your business continuity in the event of a cyberattack, security breach or another cybersecurity event. The recovery offered services include recovery planning.

SOFTWARE HOUSE

Whether you are looking to build your new software, website or mobile app, our developers are ready to start applying the SDLC and integrate it with the many other services provided by RSG such as cybersecurity, IT managed services or marketing.

▶ ▶ ▶ **SOFTWARE SERVICES**

- **UX/UI Design**
  Wireframe frames and visual that follow the latest design trends.

- **Website & Web Apps**
  Website design and apps design and development.

- **Mobile Apps**
  Hybrid and native mobile apps for Android and App Store.

Gaming and Entertainment

Our Gaming services provide a diverse range of experiences for gamers and enthusiasts of all ages. Whether you're looking for a realistic simulator game, an immersive VR experience, a classic console game, or a fun outdoor or indoor game, we have something for everyone.
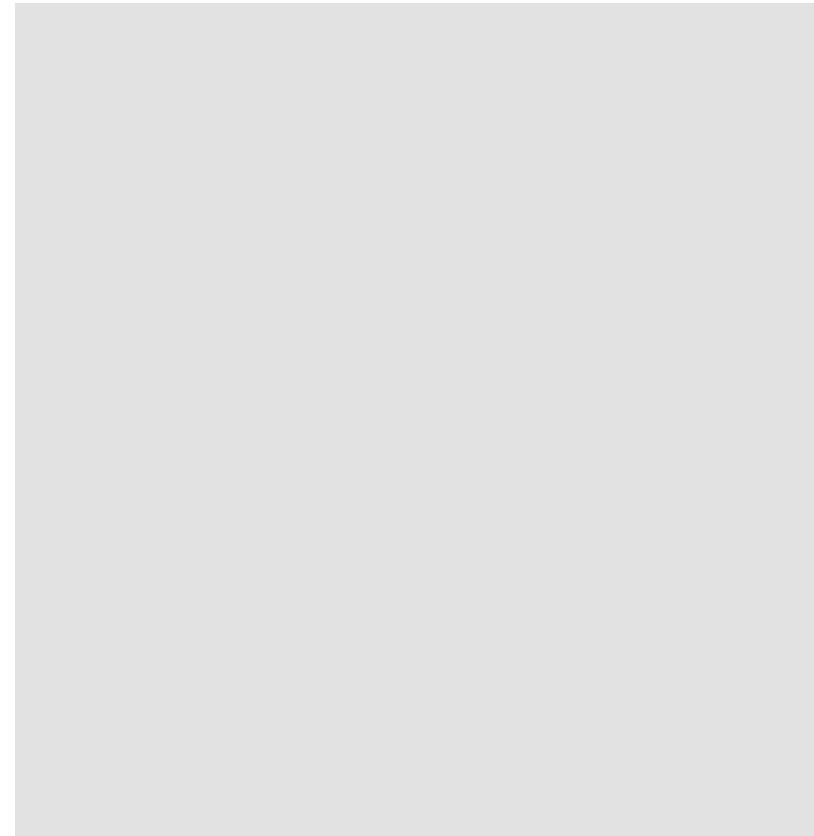
Our simulator games offer realistic simulations of various activities & sports. With advanced technology and high-quality graphics, you can immerse yourself in a virtual world and experience the thrill of these activities without leaving your home.

And on the contrary, if you are looking for outdoor activities, our outdoor gaming service offers a fun and exciting way to get some exercise and fresh air.

GAMING PORTFOLIO

Simulator Games:

- Car & Flight Simulators
- Golf Simulators
- Ski Simulators
- Motorcycle Simulators
- Baseball Simulators

VR Games:

- Smart Clothing
- VR Sets
- Immersive VR Rides
- Immersive PODS
- Mechanically Advanced VR
- Theme Park VR Robots

Outdoor Physical Games:

- On-road/Off-road RC Tracks
- Go Karting
- Archery & Crossbow
- Shooting
- Paintball
- Tennis
- Volleyball
- Basketball

Electronic Games:

- PlayStation
- XBOX
- Gaming Workstations
- Arcade Games
- Laser Tag

Fitness VR:

- Omni VR
- Kat Walk VR
- ICAROS
- Bicycle VR

Customized games:

- Theme Parks
- Water Parks
- Escape Rooms

Indoor games:

- Foosball
- Billiards
- Darts
- Pinball Flippers
- Air Hockey
- Ping Pong
- Squash
- Bowling
- Rodeo

Design Services:

- Gaming Centers & Hangars
- Shooting Range Hangars
- Mancaves

Support & Maintenance Services:

- Training Services
- Customer Support Services
- Maintenance & Equipment Repair

RSG has a range of **turnkey technology solutions for the stadiums** that are tailored based on perceived challenges of the stadium or requirements of a client.
Our stadium solutions are:

"STAD360" Mobile App

- Saudi teams and their players

- Players bio/stats

- Saudi Professional League games schedule & results

- Saudi Super Cup and Saudi King's Cup games schedule & results

- Live updates, news, scores...

- The app will be bilingual in Arabic and English

ICT Solutions:

- Data Centers & Enterprise Solutions
- Telecommunication & Telephony
- Structured Cabling & Fiber Networks
- Computing & Storage Systems
- In Building Solutions (GSM, CDMA, TETRA, LTE, DAS)
- Data - VOIP - Wireless Systems
- End User Management Solutions
- Data Protection and Backup Solutions
- Secure Internet Gateway Assessment
- Connectivity (LAN, WAN, Firewalls, Internet Access and VPN)

- Cisco Unified Communication
- Biometric Attendance Machines
- Active Directory
- Email Services – Microsoft 365
- Anti-Virus Service
- Storage & File Share
- Printers & Scanners
- Helpdesk and Support

Audio Visual Systems:

- LED Screens
- Projection Systems
- LED Tickers
- Visual Displays
- Digital Signage
- Operations Control Room
- Touch Screen Interactive Systems
- Background Music System
- Public Address System (PAS)
- Advertising Displays
- Score Boards & Pitch Side Display Systems

> > > > >

Broadcast Systems

- Spidercam
- The Outside Broadcast Van (OB Van)

Smart Software & Analytics

- Video Assistant Referee (VAR)
- Football Video Analysis Software
- Complete Venue Control Solution
- Semi-Automated Offside Technology
- Goal-Line Technology
- Team Performance Analysis

Safety & Security Solutions

- Video Assessment & Surveillance System (VASS)
- Access Control Systems (ACS)
- Facial Recognition Systems
- Walk Through Screening System & Handheld
  Metal Detectors
- Video Surveillance System – Control Room
- Visitors Access Control Systems
- Ticketing
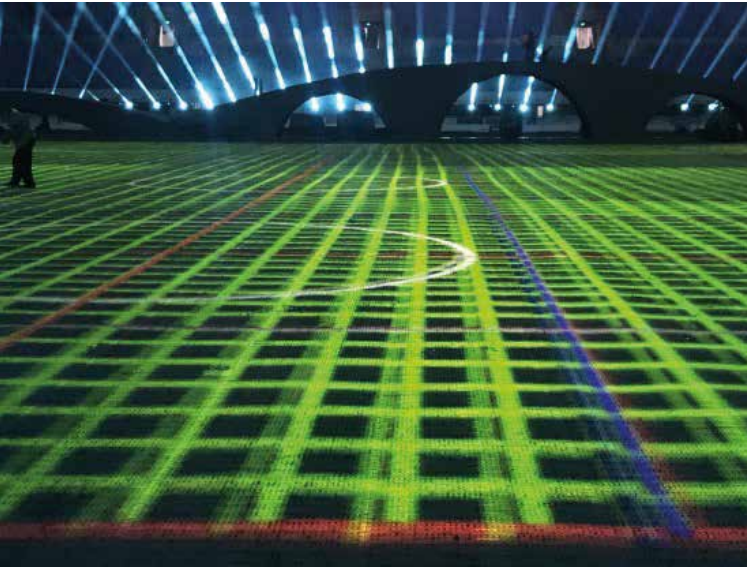
Pitch Work Technology

- **Natural Grass & Pitch Reinforcement System**
  Mixed grass has become a common term, and while all types of mixed grass technology can enhance turf surfaces and add stability &sturdiness, at present, the turf reinforcement of professional football fields and major professional competitions adopts the knitted turf reinforcement system.

- **Planting Layer Structure**
  Pitch structural layer practice consists of: formation, drainage system, gravel, lower root zone and up root zone.

- **Ventilation System**
  The lawn underground ventilation system is composed of a special lawn ventilation machine room, ventilation ducts, and control systems.

- **Drainage System**
  The rainwater drainage in the lawn area adopts the drainage method combined with drainage and seepage.

- **Irrigation System**

  The distance between the nozzles should be 0.9 times of the spraying range, so as to achieve uniform coverage of the entire field of sprinkler irrigation, and there will be no situation where the nozzles cannot be sprayed near the nozzles.

- **Pitch Grow Lights**

  The stands and dome construction around the stadium reduce the sunlight in the stadium, which in turn affects the development of the lawn. Therefore, it is necessary to artificially supplement the lawn with sufficient light.

- **Pitch Protection System**

  The football field holds commercial performances, gatherings, exhibitions, conferences, etc. This will cause certain damage to the lawn, and it is necessary to take protection measures for the lawn before the event is held. The lawn protection board system provides professional natural lawn protection.

- **Pitch Heating System**

- **Pitch Surface Ventilation System**
  The stands and dome construction around the stadium make the ventilation inside the core of the football field poor. High-power surface ventilation equipment can be configured according to the actual situation to artificially circulate the air above the surface of the site, and the equipment can also have cooling and cooling functions.

- **Pitch Maintenance**

- **Turf Farm**

- **Run Rubber Track**
  the prefabricated rubber runway system ensures the uniformity of the ground system for athletes in the same competition, which also embodies the Olympic spirit of fair competition; easy installation, short construction period; easy maintenance, no surface threshing Chipping phenomenon.

Game's Specific Systems

- **FOP Lights System**
  FOP lighting, landscape facade lighting, square lighting, and even indoor functional lighting can all be integrated and run under a unified platform. The core of the system is based on the TCP/IP network, and the network expansion capability is powerful.

- **LED Giant Screen**
  The LED Display design of the football field includes LED Giant screens at both ends of the field, a Ribbon screen on the floor, an outdoor football field advertising screen; The size of the venue display screen should be selected according to the viewing distance and the resolution of the display screen.

- **LED Ribbon Display**

- **Loud Speaker System**
  Acoustic design requirements are high, to ensure speech intelligibility under the condition of super large space and long reverberation. The electro-acoustic system needs to be combined with architectural acoustic design.

- **Soccer Timing & Scoring System**
  The football timing and scoring system is mainly composed of timing and scoring controller, wireless LED substitution board, control computer and football score processing system, system communication interface and display.

- **Ticket System**
  The system design meets the technical requirements of the ticket sales and inspection access control system required by FIFA, as well as the technical requirements of the venue ticket processing center system.

>>>>>

- **TV Broadcast & Comment System**
  The system adopts a high-definition cable wiring system that meets the SMPTE311 standard, and the relay position (platform) set by the system can meet the requirements of the FIFA standard camera position, and can also meet the requirements of the FIFA standard VAR special camera position.

- **Standard Clock System**
  The system receives the timing signal from the National Time Service Center through the Internet of Things receiving module, and transmits the timing signal to the front-end clock through wireless data communication.

- **Competition Equipment Integrated Management System**
  The system is a set of stadium audio, video and lighting linkage system dedicated to sports display services in stadiums. The system realizes the display of video information, audio playback and venue lighting control in stadiums through corresponding system integration technology and information integration technology.

  The system insures the linkage control of the light show before the competition in the stadium, the mobilization of the audience's watching atmosphere through the broadcast of the venue announcer and the display of the venue's competition information. It will attract high attention from the media and audience.

- **Competition Real-time Information Publishing System**
  The system adopts the SDVOE technical standard based on all-optical 10 Gigabit Ethernet that supports real-time transmission of 4K ultra-clear signals without delay and compression, and can meet the requirements of FIFA.

- **Video Replay System**
  The system should support multi-angle game scene video collection, as well as point-and-play multi-angle and multi-screen game video playback, and the system should meet the technical requirements of FIFA.

- **Optical Tracking System (OTS)**
  FIFA certified football 3D optical tracking system. Based on the actual situation of the football field, 6 to 16 high-definition cameras can be installed. Combined with optical image processing algorithm software, real-time information tracking of moving objects in the venue can be achieved.

- **Sports Performance Monitoring System**
  The technology is a FIFA-approved performance/body function monitoring system. Local Positioning System (LPS) realizes the analysis of player's position and motion state through the barrier-free communication of three or more locally installed receivers with known exact positions (athlete's physical function monitoring, heart rate monitoring, etc.)

- **Venue Operation Management System**
  The system meets FIFA requirements and uses audio and video technology, multimedia technology and computer network technology to provide all-round communication, video monitoring, and equipment remote monitoring for the operation support team of the venue during the competition.
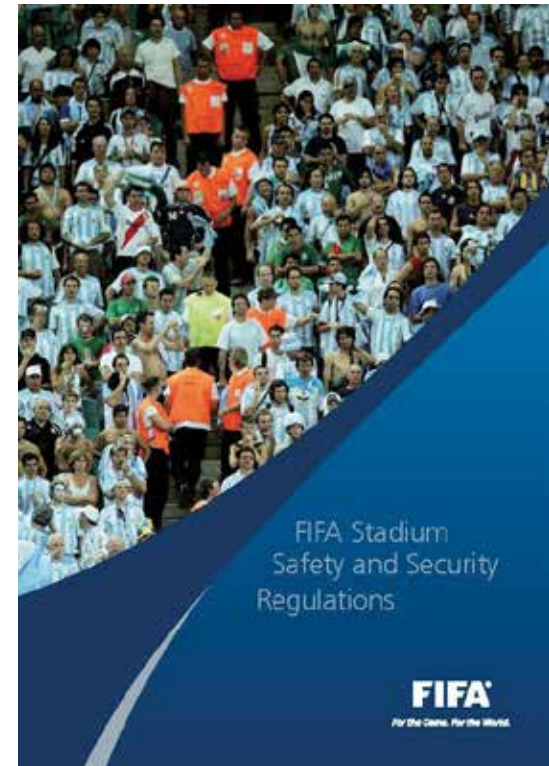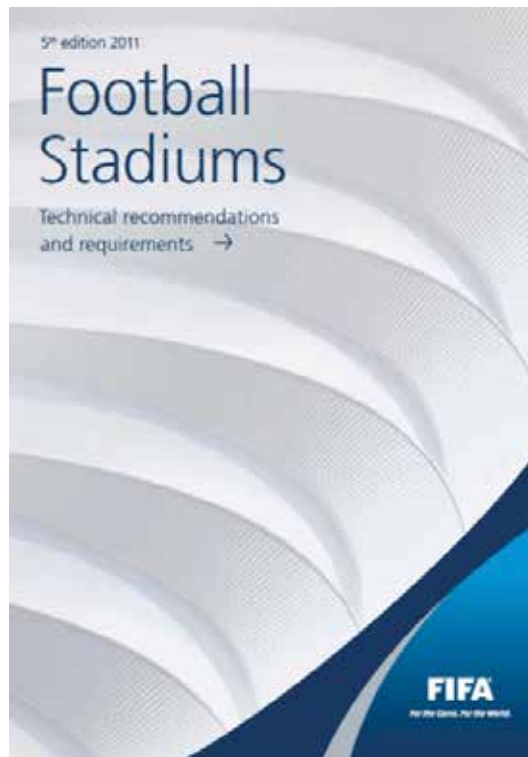
- **Venue Communication System**
  This system is a professional communication system required for the high-level operation of modern football fields. It is a dedicated high-reliability communication system specially designed for the complex working environment of the stadium and low-latency communication response applications. It is an essential system to improve the operation efficiency of venues in occasions such as video playback.

FIFA
STANDARD
REQUIREMENT

- Football Stadiums Technical Recommendation and Requirements 5th edition 2011

- AC 2023 Stadium Technical Annex

- FCWC 2021 Hosting Requirements

- UEFA Tournament Requirements

- AFC Stadium Lighting Guideline

- FIFA Lighting Guide 2020

>>>>>

5ᵗʰ edition 2011

Football
Stadiums

Technical recommendations
and requirements →

FIFA
For the Game. For the World.

FIFA Stadium
Safety and Security
Regulations

FIFA
For the Game. For the World.

Advertising and Media

At Media Robotics, we partner up with our client on promoting products, services, ideas, or organizations to a target audience through various media channels. Effective advertising campaigns often involve market research, creative design, and strategic placement of ads to reach the intended audience and achieve the desired results. Media Robotics is a fully integrated agency supporting your brands across all Communications' fronts like:
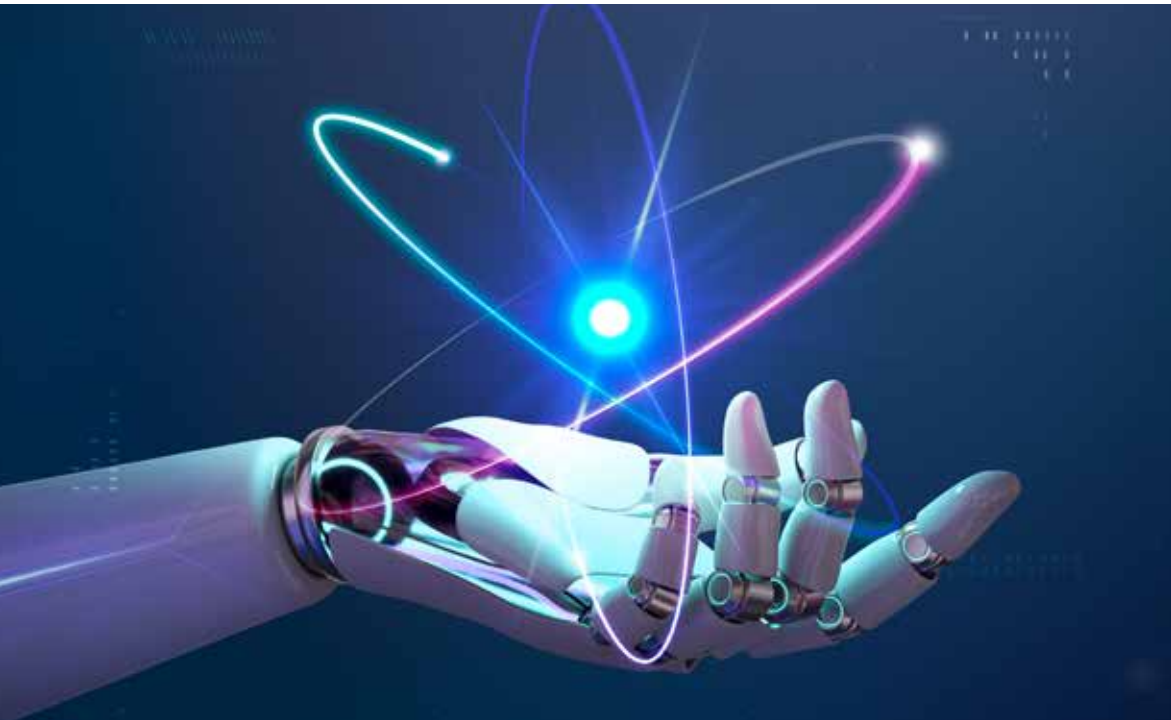
Brand Agency
- Innovative Strategies
- Conceptual Design & Commercial Content
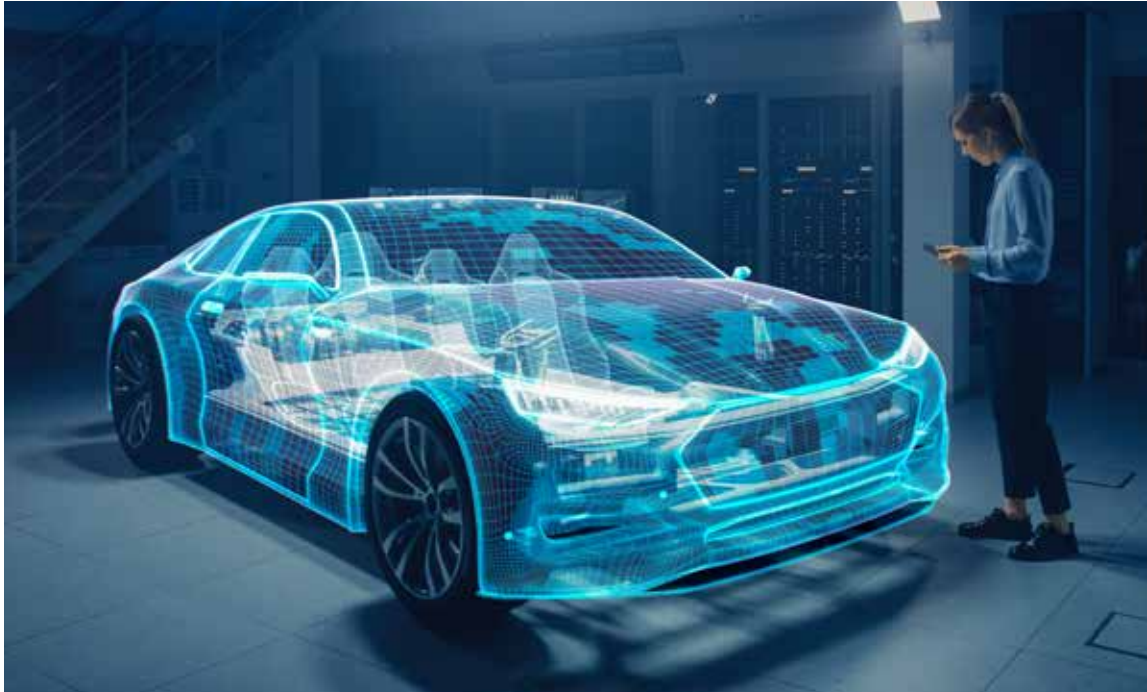- Digital Creative Solutions

Events Services and On-Ground Activations
- Event Staffing
- Audio Visual & Lighting
- Production
- Entertainment
- Logistics

Digital and Social Media Agency
- Digital & Social Strategy
- Creative Content
- Community Management

Production House

- Video Production
- Pre & Post Production
- Film, Series & Official Production
- Podcast Production
- 3D Design
- 3D Rigging & Animation
- Virtual Reality Technology
- Animated Infographics Video
- Advanced Compositing
- Tabletop and Liquid Simulations
- Original Character Creation

Digital Transformation Consultancy

- Websites and Mobile Applications
- Strategy and Consultancy Experience
- Design Development and Technology Innovation

Media Planning and Buying

- Strategic Media Planning
- Digital Marketing Strategy
- Media Buying & Monitoring
- Reporting
- Stadiums LED Screen Advertising
- Digital Advertising

WORLD OF SPORTS

Advertising and Partnerships in Football

01

Fully colour-animated digital displays enable brands to capture the viewers' attention.

02

Your advertisement will be shown to your targeted audience based on the geo-targeting technology.

03

Advertise where your customers are and actually be seen by your target audience.

04

Achieve continuous, memorable and consumer friendly advertising by featuring your brand live in the action.

ELECTRONIC PROGRESS DOCUMENTATION

(Time-lapse)

01 Archive and monitor the development of your project through the deployment of high end timelapse camera systems.

02 Fully autonomous system that perfectly meets the requirements for a mega scale and long term construction projects.

03 Customized secured web portal that is accessible from anywhere and any device that allows you to navigate between the different points of view of your construction cameras and compare the project progress by photos and auto generated timelapse video throughout the project duration.

04 Immortalize years of work on a construction site and showcase the final result.