

# Knowledge Solutions Group Inc.

*corporate overview*

*“Determination to Deliver”*

[www.ksgcorp.com](http://www.ksgcorp.com)



**Knowledge Solutions Group Inc.** is a global consultancy and professional services company with a history of delivering full complement of services from assessment to implementation to maintenance, using global resources, optimized methodologies and time-tested global standards:

- We make it possible for your business to create unique value by balancing Information Technology (IT) with Business Intelligence (BI).
- We conceive, design, implement and deliver integrated and optimized business processes with solutions that impact businesses by allowing to deploy their business knowledge and intelligence in a most effective way.
- It's your business knowledge that you use to solve your business problems. We make a way for that to happen !



# KSG Background

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- Five Offices Worldwide: Phoenix USA, Tokyo Japan, Dubai UAE, Kolkata India, Sydney Australia (Singapore office in March 2007)
  
- Core Services Offered
  - Business Assurance and Audit Advisory Services
  - IT Governance and various IT Regulatory Compliance Services
  - IT Risk Management Advisory and Assurance Services
  - Sarbanes-Oxley 404 Advisory and SOX Compliance Services
  - Process and Project Assurance Advisory Services
  - Business Performance Improvement Services
  - Customer Relationship Management (CRM) Consulting Service
  - Internet and Web Strategy Consulting Services
  - Offshore Software Development Services



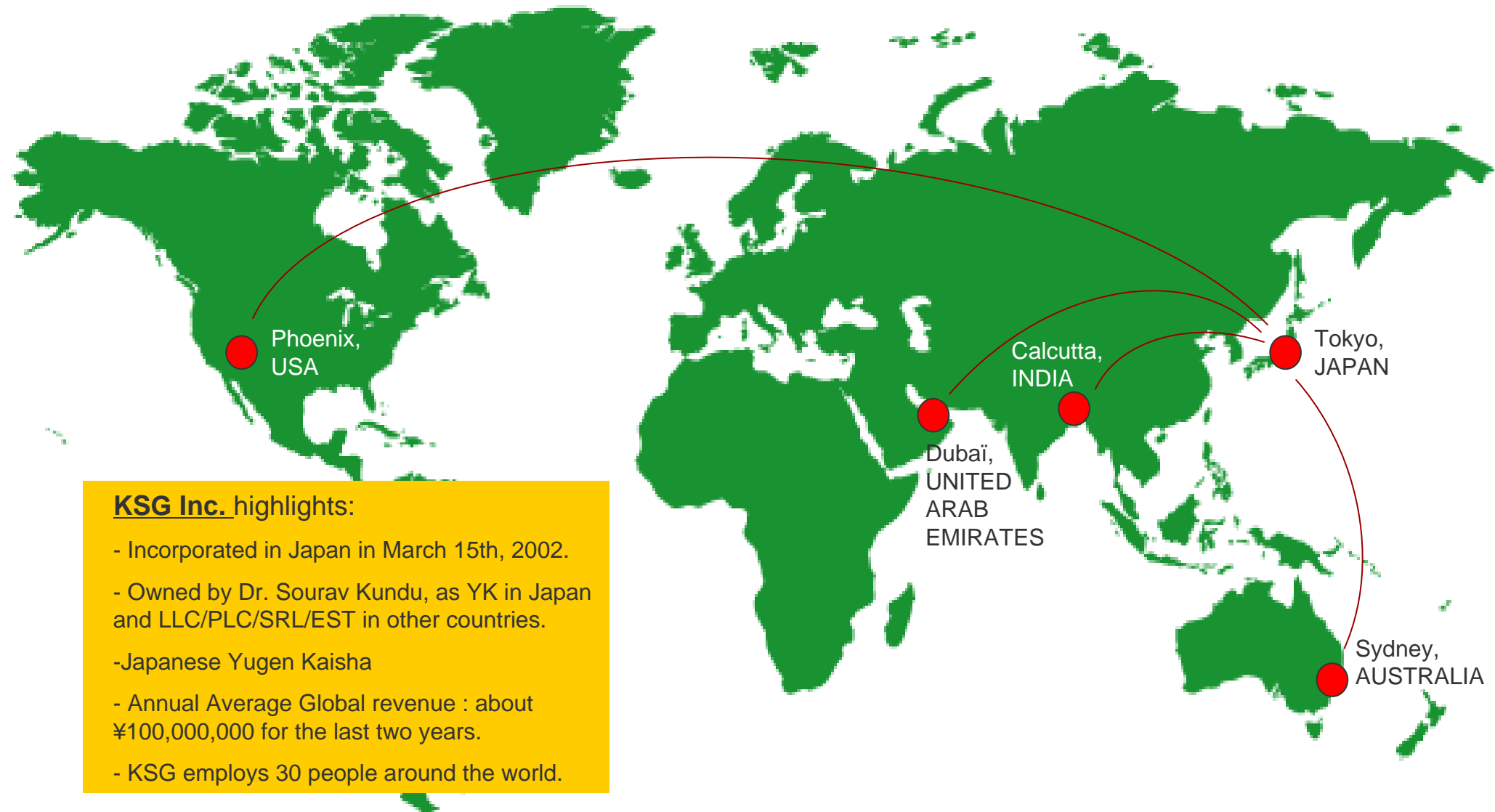
# KSG Background

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- Long Experience in IT Risk Management and Advisory, Software Process Improvement (SPI) consulting, and CMMI, CMM, P-CMM, SA-CMM.
- Demonstrated competence in niche professional consulting services, core technologies organized along industry lines.
- Headed by renowned experts in Professional Services, Risk Management, Computer Science, Software Process Engineering, Design Optimization, Artificial Intelligence with considerable academic and industrial contribution.



# KSG Worldwide

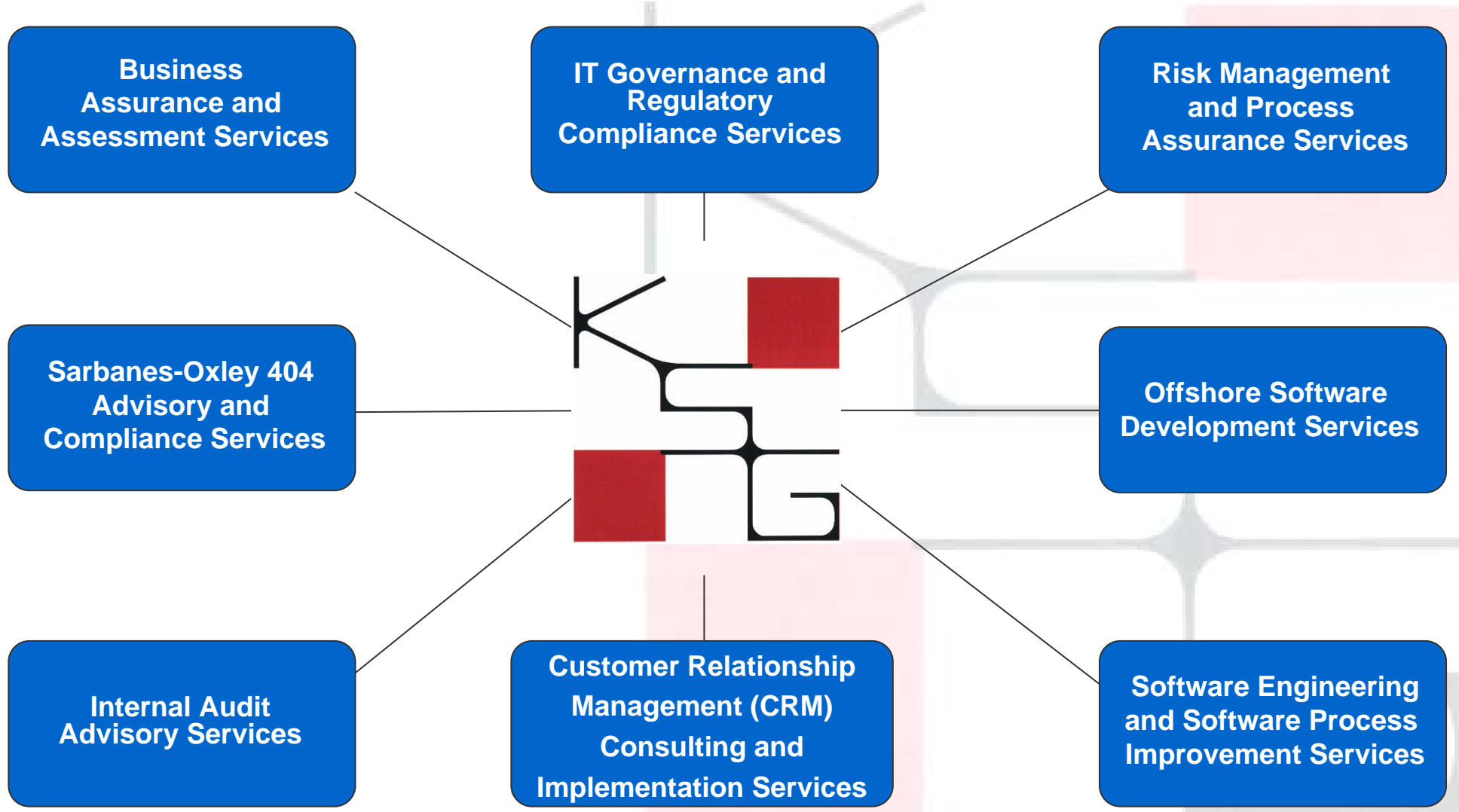


## **KSG Inc.** highlights:

- Incorporated in Japan in March 15th, 2002.
- Owned by Dr. Sourav Kundu, as YK in Japan and LLC/PLC/SRL/EST in other countries.
- Japanese Yugen Kaisha
- Annual Average Global revenue : about ¥100,000,000 for the last two years.
- KSG employs 30 people around the world.



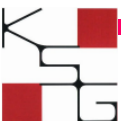
# KSG Core Competencies



# Our Customers' Profile

Our customer profile spans across a wide variety of industries including:

State Govt. of Florida, KPMG Japan, Citibank, Sun Microsystems, AXA Life Insurance, AIG, Vodafone, Software houses in Japan, E-commerce Vendors in USA, Content Providers, Application Service Providers



# Service Offerings

## 1. QUALITY ASSURANCE:

### Software Development Process and Software Quality Improvement

- Software Process Improvement
- Implementation of CMM (Capability Maturity Model)
- Implementation of CMMI (Capability Maturity Model Integration)
- Software Capability Assessment (SCA)
- Software Testing

## 2. PROCESS and PROJECT ASSURANCE:

Design of enterprise security architecture, Workflows and Business Processes

- Implementation of security strategies and its integration within the business processes and workflows
- Monitoring and Analysis of Problem incidents (ITIL Based)
- Measurement of security performance
- Periodic process audits
- Project Management and PMO support

## 3. BUSINESS ASSURANCE

### Risk Analysis with Assessment of Internal Controls for Financial Reporting (ICFR)

- Information Security Assessment:
  - Information threat and impact analysis
  - Identification of vulnerabilities
  - Security architecture assessment
  - Evaluation of controls and gap analysis

### Information Risk Management (IRM)

- Business Process Analysis
- Systems Integration and Internal Controls
- Package Specific Tools (such as SAP R/3, Oracle Financials, Siebel)

### Sarbanes-Oxley (IT SOX 404)

- Assessment and Testing of the accuracy of Internal Control for Financial Reporting
- Disclosing deficiencies in the design or operation of internal controls.
- Attestation and reporting on management's assessment of the internal controls and procedures
- Complete end-to-end Internal Controls Design and Documentation and linking with Risk Mitigation strategies.

## 4. TECHNOLOGY ASSURANCE:

### IT Audit

- Assessment of maturity and gap-analysis with regulatory compliance such as CoBIT, COSO, IEEE 17799, BS 17799.

### IT Services Performance

- Metrics Design and Guidelines for IT performance
- IT performance reviews
- Implementation of ITIL/CoBIT

### Web Strategies

- Web Sales Strategies Analysis and design
- Implementation of e-commerce
- Implementation of a web e-CRM (E-enabled Customer Relationship Management), including strategy, design and installation.

## 5. OTHER SERVICES:

- Software Development, design, test, delivery and maintenance
- Offshore Software Development and Management of outsourcing.





# Key Service Practices and Organizational Benefits

Services	Objectives	Benefits
	<i>1. Product / Software Quality Assurance</i>	
<b>Software Development And Software Process Improvement (SPI)</b>	<ul style="list-style-type: none"> <li>▪Improving a company's software engineering Core Competency.</li> <li>▪Improving software project management and engineering.</li> <li>▪Aligning process improvement initiatives to business goals and international standards.</li> <li>▪Implementing CMMI based Life Cycle Processes.</li> </ul>	<ul style="list-style-type: none"> <li>▪Realizing ROI, as well as yearly reduction in time-to-market and post-release defects, and increase in customer and employee satisfaction.</li> <li>▪Ability to produce more complex software builds in lesser time.</li> <li>▪Reduction in problems found and thereby the testing efforts.</li> <li>▪Consistent production of software builds with zero defects.</li> <li>▪Better communication and reviews across the software team</li> <li>▪Fewer surprises, last minute glitches, and fire drills.</li> <li>▪Fewer risks next year because people will learn from the Risk Management Plan from this year.</li> </ul>
	<i>2. Business Assurance / Process Assurance</i>	
<b>Business &amp; IT Risk Analysis And Assessment of Internal Controls</b>	<ul style="list-style-type: none"> <li>▪Enhance integrity and reliability of the information stored on computer systems.</li> <li>▪Preserve both privacy of customer information and confidentiality of data.</li> <li>▪Enhance availability of information systems</li> </ul>	<ul style="list-style-type: none"> <li>▪Increasing revenue by securely harnessing the commercial potential of information technology.</li> <li>▪Reducing overall cost by getting information security right the first time.</li> <li>▪Reducing the number of costly incidents to recover from.</li> <li>▪Lowering the risk of damage to reputation.</li> </ul>



# Key Services Lines

Services	Objectives	Benefits
<b>Internal Controls Assessment</b>	<ul style="list-style-type: none"><li>▪ KSG's Internal Controls Assessment Service Practice covers the assessment, audit, risk analysis of Internal controls and security aspects of any Business process supporting an organization's critical business and financial activity.</li></ul>	<ul style="list-style-type: none"><li>▪ Efficient control procedures, which cost less to operate and reduce the costs of error correction</li><li>▪ Reduced risk of value destruction through control failure</li><li>▪ Increased benefit in integrated systems</li><li>▪ Systems and processes to enable information technology opportunities</li></ul>
<b>Sarbanes-Oxley Compliance Advisory (IT SOX 404)</b>	<ul style="list-style-type: none"><li>▪ KSG performs a gap analysis assessments and produces a roadmap indicating status/maturity and how far to go in order to be compliant with SOX and J-SOX.</li></ul>	<ul style="list-style-type: none"><li>▪ Increased effectiveness in disclosure of controls and Financial Reporting procedures</li><li>▪ Increased effectiveness of internal controls related to financial reporting</li><li>▪ Additional resources to complete all required documentation</li></ul>
<b>IT Governance Implementation and Audits</b>	<ul style="list-style-type: none"><li>▪ IT Governance (COSO, CoBIT, ITIL) and Internal Audit advisory services can be provided as part of a full internal audit co-sourcing or outsourcing arrangement, or as a stand-alone service.</li><li>▪ In all cases, KSG can provide a pool of highly experienced staff and a range of professionals having in depth knowledge of Internet security, business application controls, project risk, and business continuity.</li></ul>	<ul style="list-style-type: none"><li>▪ Updated technical knowledge and the business experience required for full implementation of a tailored IT Governance model.</li><li>▪ Strengthened IT internal controls environment and thus, a stronger overall corporate governance framework.</li><li>▪ Identification and management of financial and operational risks embedded in business systems.</li></ul>



# Key Services Lines

## Services

## Objectives

## Benefits

### IT Performance:

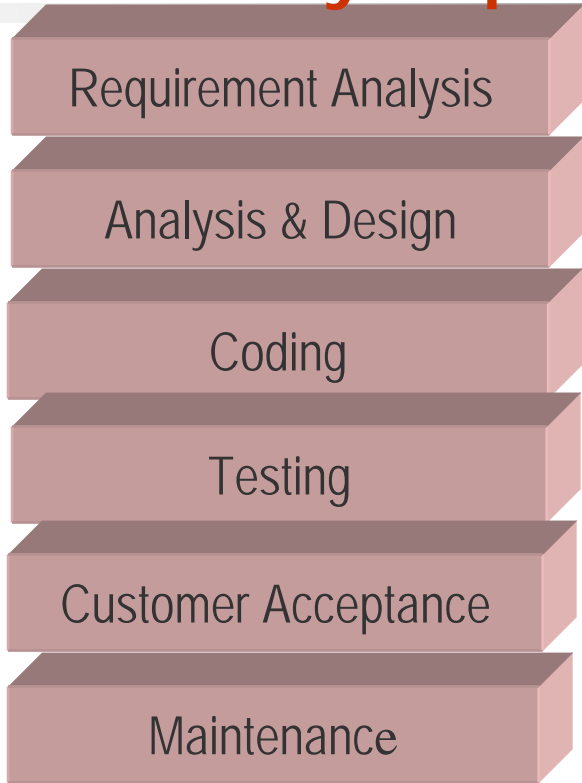
▪ KSG utilizes complex metrics with advanced analysis procedures and guidelines to design IT performance measurements shown in dashboards for IT program management. IT performance reviews help clients to increase the value they derive from the deployment of IT.

- Improved overall business performance.
- Efficient business systems and IT processes.
- Better understanding of the underlying IT controls.
- Reduced risks and more availability associated with IT Services.
- Effective utilization of organizational IT assets.



# KSG Quality Implementation

Life Cycle Functions



Design Methodologies & Tools

<b>UML</b>	<b>OCL</b>	<b>SDL</b>
	<b>SSAD</b>	<b>OOAD</b>

## Engineering Paradigm



Life Cycle Methodologies

**WATERFALL** | **PROTOTYPE** | **SPIRAL** | **INCREMENTAL** | **RAD**



# Contacts: *For further information about KSG, please contact...*

Dr. Sourav Kundu,  
President and Chief Solution Architect

Sourav, graduated with a *Masters in Design Computing* and a *Ph.D. in Mechanical Engineering*. He started his career with teaching in prestigious universities around the world, in Computer Science, Artificial Intelligence, Optimization and Business (among other subjects). After having worked in *Mastek Limited* - a global IT services company - as Senior Technical Consultant for a year, Sourav created KSG in 2001 with a vision of delivering world class competitive professional business advisory services, at an affordable cost.

With more than 15 years of experience in delivering Business and Information Technology solutions, including System Implementation, Internal Control Audit, and Sarbanes-Oxley 404 Advisory, Sourav can count among his customers some of the largest Japanese and multinational companies in the world.

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