



KEY360

MANAGEMENT SYSTEMS

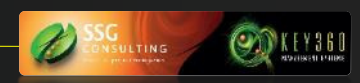
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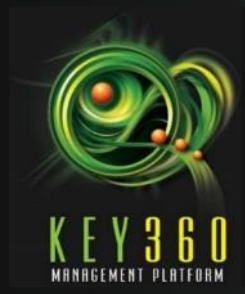
SSG
CONSULTING

The art of
project management

KEY360



SSG GROUP



Your Partner in Capital Project Execution

Passion

Transformation

Performance



KEY360



KEY360

Introduction



Project Management Solutions



KEY360

*“ERP’s, Systems & Spreadsheets
were simply not working for our
Operational requirements”*

*“We developed KEY360
because
no other solution was ticking all the boxes”*

*“Then our clients loved what they saw, because they had
the same challenges”*

CEO - Steven Golding



Project Solutions - The Problem



KEY360

“Project Management in Engineering & Construction includes many systems and processes across all project phases”

System Integration | Workflow & Throughput | BI & Analytics

- ✘ Un-integrated systems & spreadsheets for each process/department
- ✘ Un-integrated workflow across processes, departments & external partners
- ✘ ERP's too slow to implement & adapt, expensive to Configure & Maintain
- ✘ Poor & Inflexible BI & Analytics tools
- ✘ Poor Transparency & Auditability into most processes
- ✘ Poor Throughput ability
- ✘ Poor Integrated Electronic Document Management



Project Management Systems



KEY360

“ERP Solutions were too slow, rigid, and expensive”

“Spreadsheet and Web solutions didn’t give us the structure, workflow, BI & analytics capability”

“We needed the best of both worlds”

Project Management Systems



The Solution – KEY360



KEY360

- ✓ Single Solution - Integrated Operations Platform
 - ✓ Multi-Company Access across every process
 - ✓ Rapid Client Deployment
 - ✓ Imbedded Business Intelligence Analytics
 - ✓ Unrivalled Configuration Flexibility
 - ✓ Exceptional Process Throughput Capability
 - ✓ Workflow driven Continuous Process Optimization
 - ✓ Workforce Behavior Modification
 - ✓ Integrated Electronic Document Management
 - ✓ High Audit & Governance



KEY360 Value Proposition – 10X



60



- **Proven Return on Investment - Guaranteed** Measured savings
- **One Platform** All systems on a single platform, Company wide learning and transparency
- **Integrated Operations Centre** Real time BI, Analytics, Dashboards, Development of a real time IOC across your business, Data Mining
- **Behaviour Modification** The dopamine effect, consistently driving new levels of performance
- **Platform/Network Dynamics** Harnessing the power of network dynamics. Multi-company access – Social networking for business
- **“10X” Throughput Increase** Data Accuracy and Transparency. Exceptional Collaboration and strategy alignment
- **Critical Drivers** Customer Retention, Employee Retention
- **Digitalization Journey** Digitalization Baseline, journey mapping, Business Optimization, Strategy Modification

The History – KEY360 Platform



KEY360

“KEY360 was originated with the requirement for executing MEGA – Capital Projects. This environment posed a unique set of challenges”

- Multiple Business Processes (140 different systems)
- Temporary & Dynamic organizational structures
- Massive data load (Transactional & Document)
- Critical BI Requirement – consistently changing
- High workflow throughput requirement
- Multiple Company environment on a single project
- Remote data source locations
- Poor software ROI



KEY360 – Capital Projects



KEY360

“When we analyzed system requirements for MEGA Capital Projects, the list was extensive. We took a Modified PM-Bok based approach and came up with at least 140 different systems”

Generally accepted systems:



Gantt



Cost Reporting



Doc Control



Financial



Excel



Outlook

What about:



Tracking Grids



NCR's



Design reviews



Timesheets



Site Instructions



Quality Inspections

KEY360 – Capital Projects



KEY360

Generally accepted systems:



Gantt



Cost Reporting



Doc Control



Financial



Excel



Outlook

What about:



QCP's



Action Lists



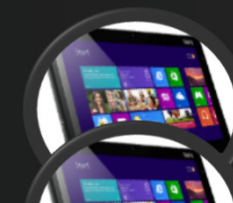
Minutes



Change Register



Claims



Purchase orders

T vs s s ons Qu ions

KEY360 Solution



KEY360

Generally accepted systems:



Gantt



Cost Reporting



Doc Control



Financial



Excel

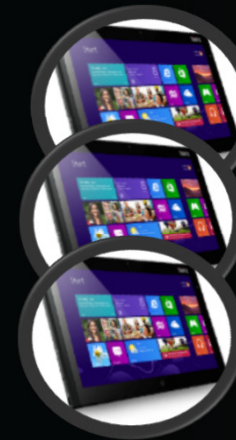


Outlook

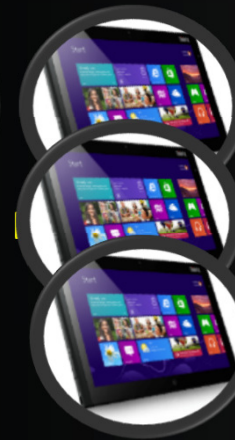
What about:



Contracts



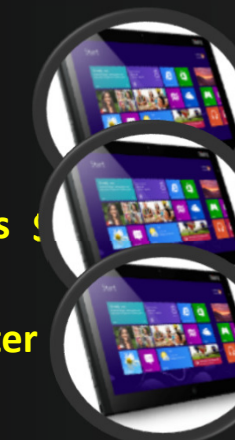
Invoicing



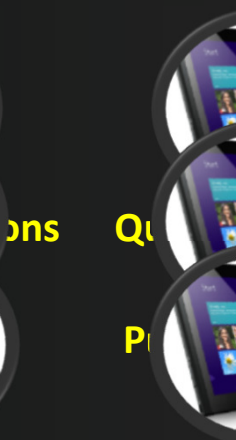
Risk



Estimating



Fabrication



Logistics

KEY360 – Capital Projects



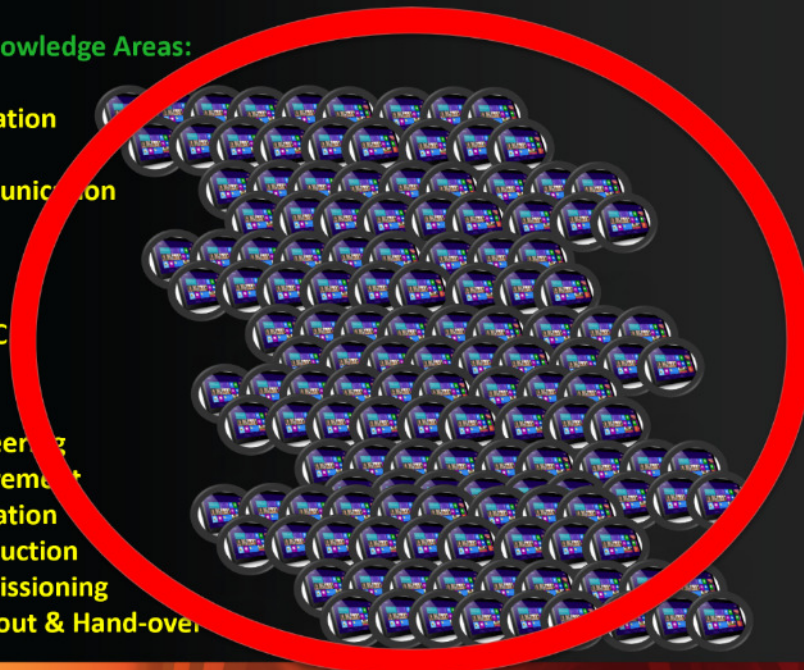
KEY360

“We knew we needed one Integrated Platform”

140 Systems – 15 Knowledge Areas

PM Knowledge Areas:

- Integration
- HR
- Communication
- Scope
- Time
- Cost
- QA/QC
- Risk
- SHE
- Engineering
- Procurement
- Fabrication
- Construction
- Commissioning
- Close-out & Hand-over

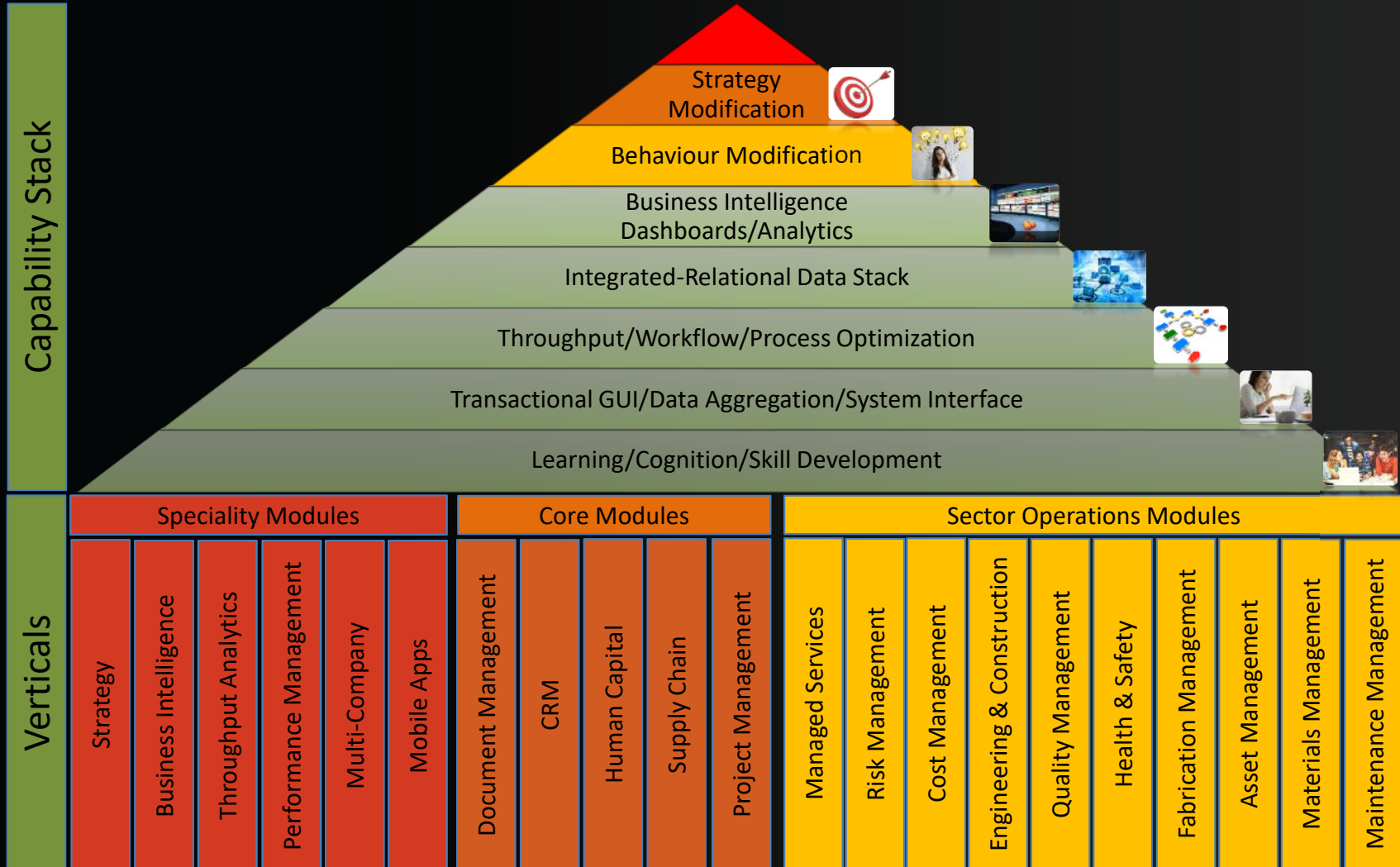


KEY360 Solution - Stack



"The KEY360 Capability Stack was developed first to enable framework functions, that could be applied to any vertical capability"

KEY360



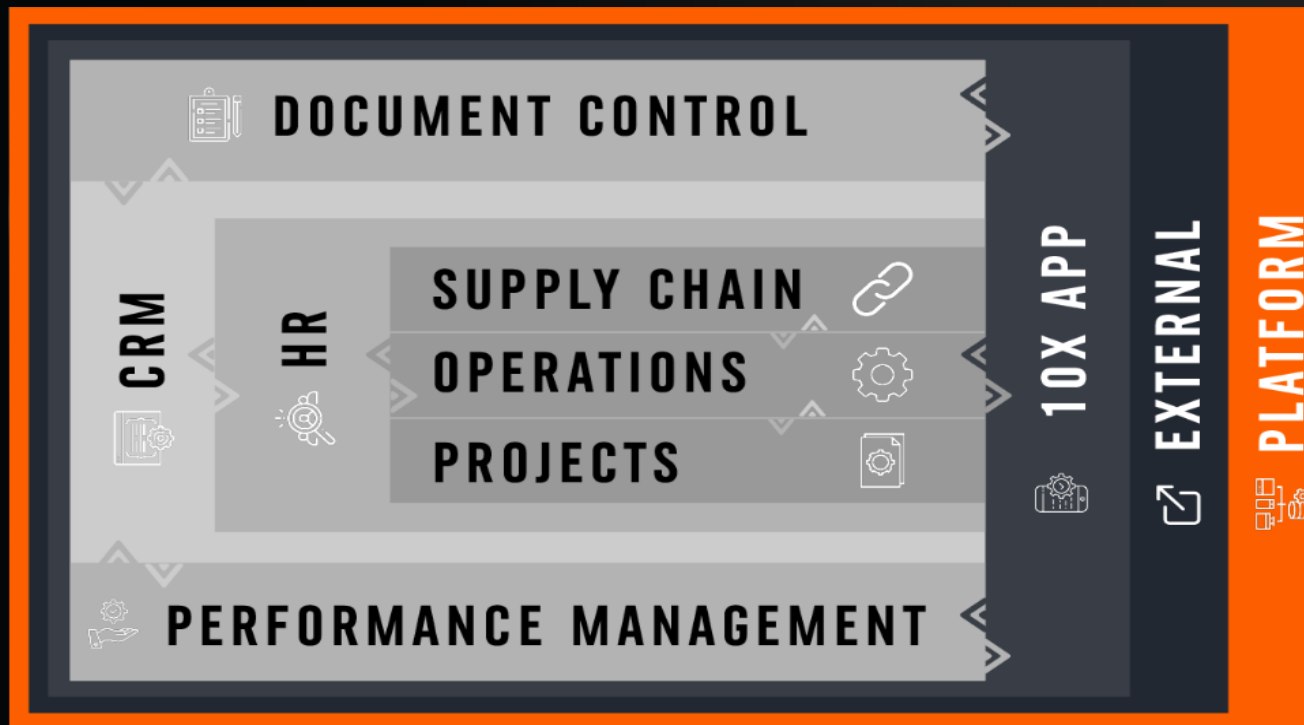
KEY360 Solution



KEY360

“KEY360 is an Enterprise Operations Platform”

KEY360 was designed to facilitate the full operations requirement of a business in a single integrated solution”



KEY360 Accolades



KEY360

Accenture Innovation awards Winner 2016 & 2017



Winner - Top Technology 100 Awards 2016 & 2017



KEY360 – Developed by SSG Group



KEY360

“The SSG Group of companies has a primary focus of developing businesses which continuously drive new levels of performance for our clients”

- The SSG Group is a diverse portfolio of companies including
 - SSG Carbon – Business Optimization Advisory & Digitalization
 - KEY360
 - Enterprise Operations Platform
 - IOC (Integrated Operations Centre) Development
 - SSG Consulting
 - Project Management Consulting
 - Digitalization
 - Managed Services
 - KEY360 Nutrition – Performance Sports Nutrition

- The SSG Group provides solutions to:
 - Digitalization – Multi-Sector
 - Business Optimization – Multi-Sector
 - MEGA-Projects – Industrial, Energy, Mining, Infrastructure
 - Fabrication
 - Government Sectors
 - ICT
 - **New Verticals include Financial services**

KEY360 Platform



KEY360



Specialist Services



Project
Advisory
Consulting



Digitalization
Cloud Platform



IOC
Integrated
Operation Centre



Project
Controls



Training



10X Optimization – by Behaviour Modification



KEY360



Mobile



Desktop



Import



IOT Devices

“KEY360’s ability to modify workforce behavior is unrivalled. We flood the organization with relevant, dynamic, real time visualization”



“As the behavior changes, the visualization needs to change as well in real time”



Integrated Operations Centre



Corporate



Department



Personal



KEY360
MANAGEMENT SYSTEMS

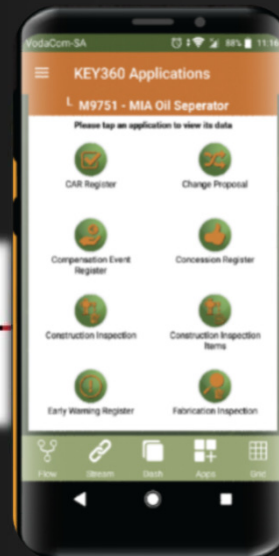
KEY360 Mobility – Meet 10X



KEY360

“In the App, we needed an interface which could drive workflow, facilitate accurate input, and reflect BI in a mobile environment across all KEY360 Modules”

Creating the KEY360 APP



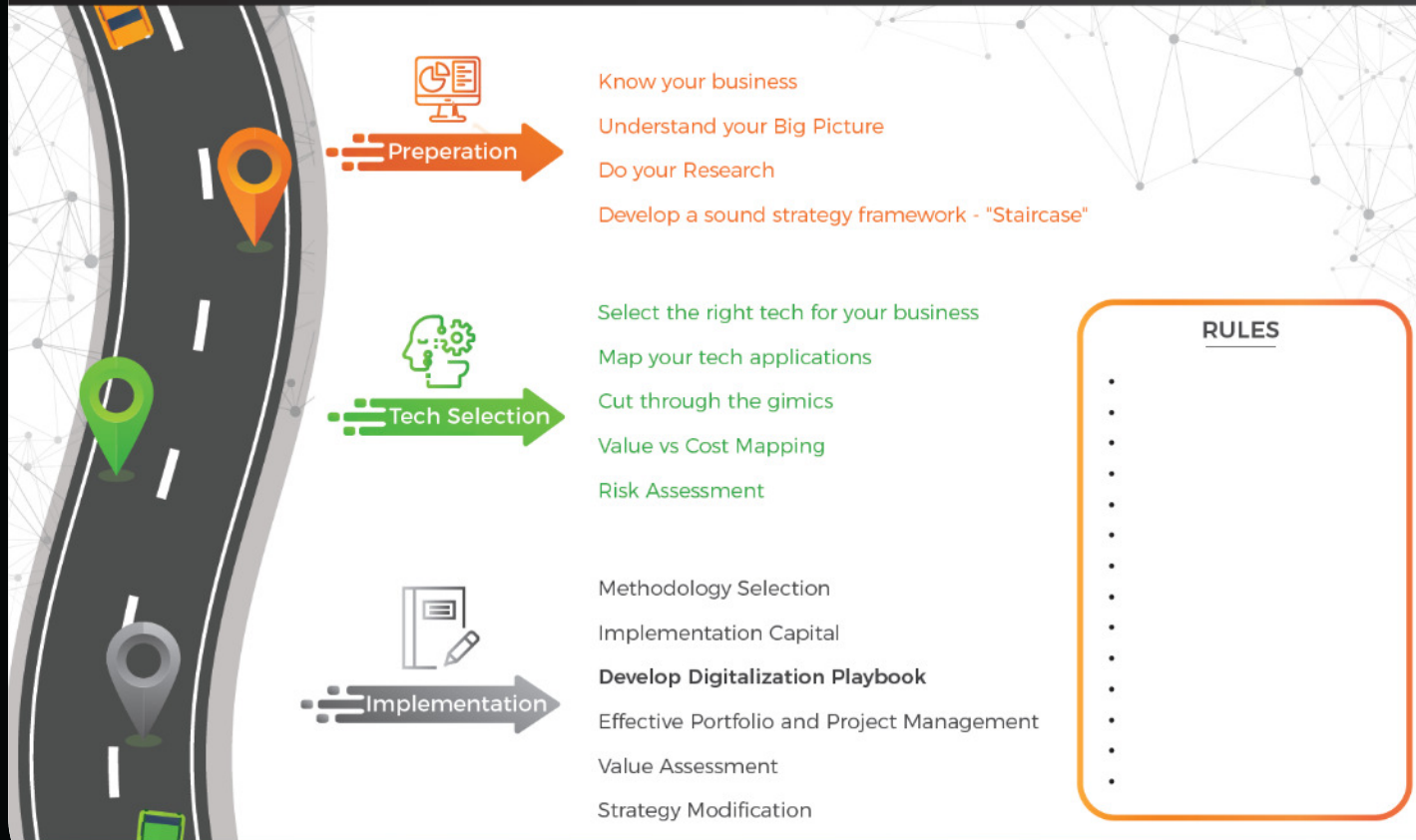
“We called it “Serialized Workflow”, taking every piece of workflow in KEY360 and streaming it into a single coordinated flow. Imagine doing exactly the right thing at the right time, no distractions”

Digitalization Playbook



KEY360

Digitalization Masterclass FROM ROADMAP TO PLAYBOOK



Digitalization Value Assessment



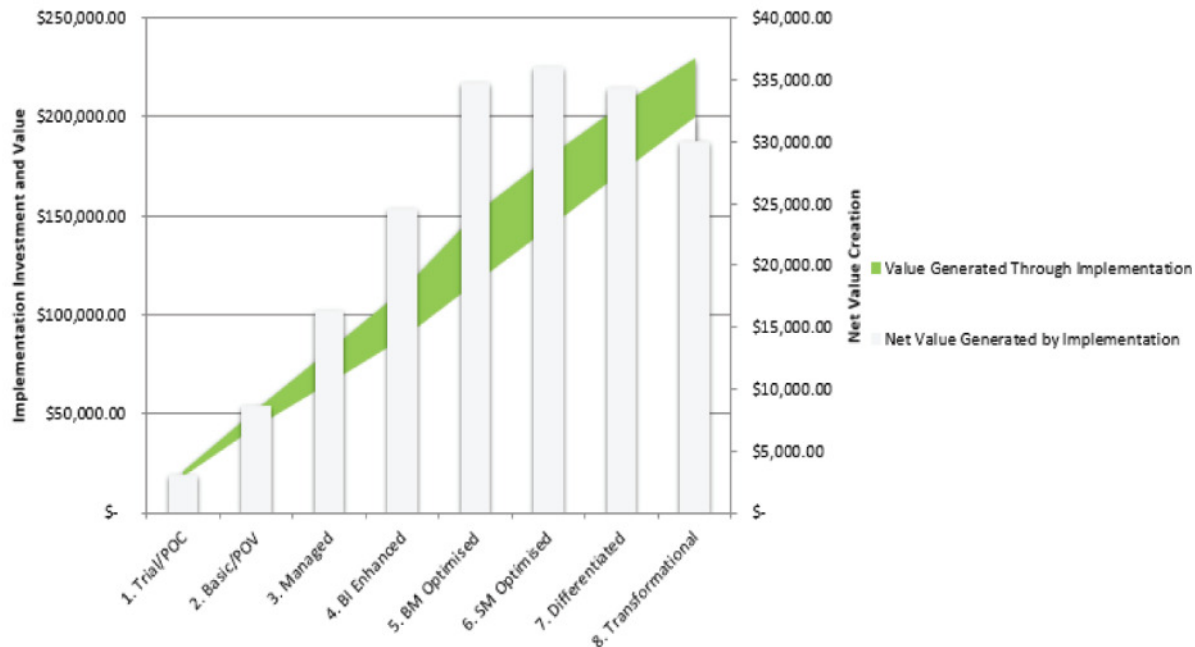
KEY360

“Digitalization is about creating value. Our 8 Level Digitalization Maturity Model ensures that value is measured”

Digitalization Masterclass VALUE MODEL



Implementation Value Creation



KEY360 Crypto-Performance

KEY360



Imagine paying your staff to work
in Cryptocurrency

“KEY360 includes access to KEYudos and KEYCoins”

This platform will convert work effort and performance into Cryptocurrency.

Soon to be written into blockchain which can be traded by employees



KEY360 Look and Feel



KEY360

Please Select a Project to Continue

Programmes:

- Project Reporting
- SSG - 00 - OTHER
- SSG - 01 - OPFS
- SSG - 02 - DEMO
- SSG - 03 - TESTING
- SSG - 10 - PROJECTS
- SSG - 20 - ARCHIVE
- SSG - 30 - XDEV

Projects:

| | | | | | | | |
|---------------------------|----------------------------|-------------------------|--------------------|------------------------------------|--------------------------------|------------------|--|
| 007 - Namespace | A&R Contract Solutions | ACWA Power - ACWA Power | Bateman Playground | Cresco - Destiny Corp - ORT Trigen | Demo - Watercare Mining | Demo Project | DSA-001 - DSA Architects |
| EE001 - ELGIN Engineering | ELB Playground | ESK - Eskom Demo | Hitachi Kusile | KEY360 Project Audits | MH0074 - Doc Control Trial Run | MH0075 - Sandpit | MHPS - Change & Back-charge Management Trial |
| Obsideo | OSS - Oil Separator System | PROJ - Project Jupiter | PRJ Ne | | | | |
| TRO2 - Training Project 2 | Training Project | Vendor Docs | | | | | |

Search:

Key360 Training: Purchase Order

Purchase Order

Status Visualiser

Meintjes, Frans
 0 Signed
 04 Feb 2013

Meintjes, Frans
 0 Stream: Pending
 04 Feb 2013

Meintjes, Frans
 0 Signed
 04 Feb 2013

Meintjes, Frans
 1632
 04 Feb 2013

Approved & Locked

Categorisation

- Purchase Order Detail
- PO Approval
- PO Notify Users
- Contract Details
- PO Costing

| | | | | | |
|---------------------------|---|--------------|----------------------|---|---------------|
| Total Original Budget | R | 2,406,500.00 | Total Current Budget | R | 19,218,589.00 |
| PO Total Previous Amounts | R | 0.00 | PO Amount | R | 136,815.00 |
| Contract Amount | R | 136,815.00 | | | |

Risk Management Dashboard

Risk Profile Type: Monetary Value vs Days

Risk Probability In Rand Value

Risk Rating vs Desired Risk Rating

Traffic Lights on Severity

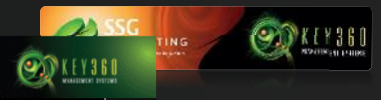
Cost and Schedule Impact per Risk Profile

KEY360 Look and Feel

KEY360



Dashboards: Indaba 2017



Steercom Dashboard

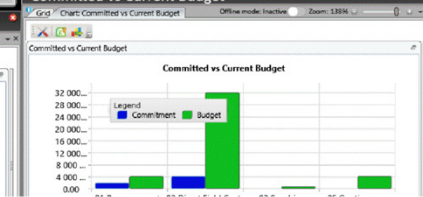
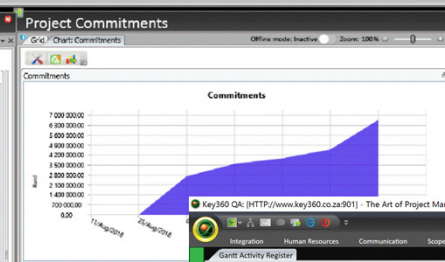
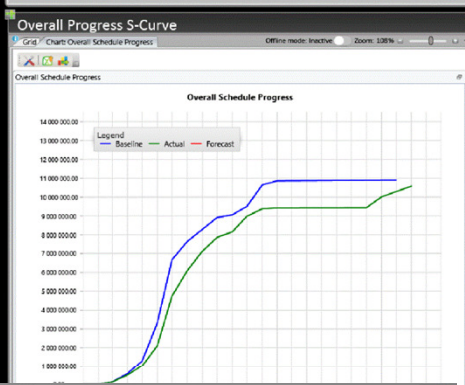


Cost Report by Discipline

| Name | Current Budget | Committed | Uncommitted | Pending Scope Change | FCC | Budget Variance | Dis |
|--|-----------------|----------------|-----------------|----------------------|----------------|-----------------|-----|
| 08 Control & Instrumentation (2 items) | R 530 000.00 | R 0.00 | R 530 000.00 | R 0.00 | R 599 691.00 | R -69 691.00 | |
| 03 Fabrication & Delivery (1 item) | R 443 000.00 | R 0.00 | R 443 000.00 | R 0.00 | R 502 447.00 | R -59 447.00 | |
| 11 Instrumentation Fabrication | R 443 000.00 | R 0.00 | R 443 000.00 | R 0.00 | R 502 447.00 | R -59 447.00 | |
| 04 Construction (1 item) | R 87 000.00 | R 0.00 | R 87 000.00 | R 0.00 | R 97 244.00 | R -10 244.00 | |
| 07 Electrical (2 items) | R 2 340 044.00 | R 291 952.00 | R 2 048 092.00 | R 0.00 | R 656 425.00 | R -2 996 473.00 | |
| 06 Piping (2 items) | R 5 171 600.00 | R 1 056 955.00 | R 4 114 645.00 | R 0.00 | R 5 758 412.00 | R -586 812.00 | |
| 05 Mechanical (3 items) | R 19 657 189.00 | R 867 237.00 | R 18 789 952.00 | R 0.00 | R 2 657 227.00 | R 16 999 962.00 | |
| 04 Structural (2 items) | R 3 725 094.00 | R 0.00 | R 3 725 094.00 | R 680 565.00 | R 39 324.00 | R 3 685 770.00 | |
| 03 Civils (1 item) | R 5 057 267.00 | R 2 023 486.00 | R 3 033 781.00 | R 500 000.00 | R 7 755 504.00 | R -2 698 237.00 | |

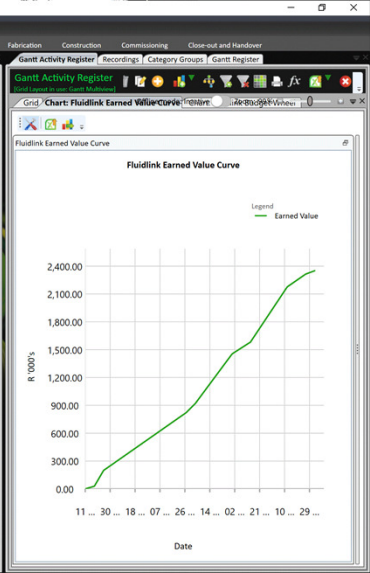
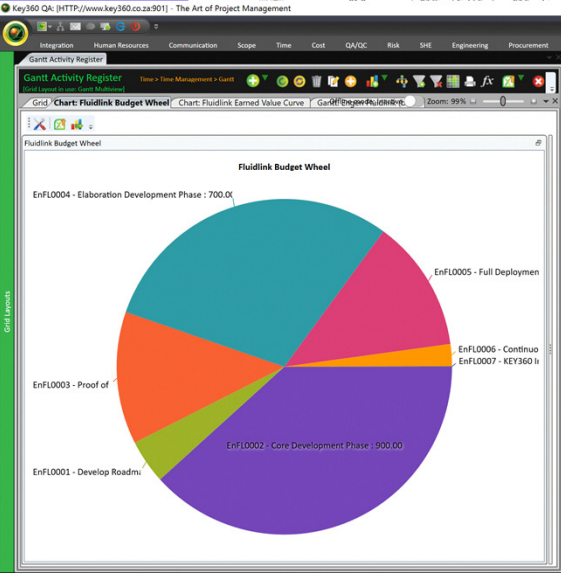
Major Milestones

| Activity Name | Physical % Complete | Finish | Disclin |
|--------------------------------|---------------------|-------------|-----------|
| 03 Civils (1 item) | | | |
| Start and Complete Site Civils | 55.00 % | 18/Oct/2015 | 03 Civils |
| 05 Mechanical (2 items) | | | |
| FAB & DEL of Slurry Pump | 100.00 % | 27/Sep/2016 | 05 Mech |
| FAB & DEL of Centrifuge | 100.00 % | 16/Jul/2015 | 05 Mech |
| 06 Piping (1 item) | | | |
| FAB & DEL of Piping | 80.00 % | 06/Jul/2015 | 06 Piping |



Risk Register

| Knowledge Area | Description |
|---------------------------|-------------|
| 03 - Significant (1 item) | |
| 04 - Severe (1 item) | |
| 04 - Severe (1 item) | |
| 04 - Severe (1 item) | |



START HERE

WELCOME Goldip, Steve

TELEPHONE

LEVEL

RATING

MY WORK

CRM HR DOCS WORKFLOW

WINDOW SHOPPING

UPGRADE KEY360 UPGRADE USERS

KEY360 PERFORMANCE NUTRITION

SSG CONSULTING

8/20

KEY360 Look and Feel

KEY360



Key360 QA: [HTTP://www.key360.co.za:901] - The Art of Project Management

Integration Human Resources Communication Scope Time Cost QA/QC Risk SHE Engineering Procurement Fabrication Construction Commissioning Close-out and Handover

Gantt Activity Register

me > Time Management > Gantt
[Grid Layout in use: Gantt Multiview]

Grid | Chart: Fluidlink Budget Wheel | Chart: Fluidlink Earned Value Curve | Gantt: Engh Fluidlink | Job: 119%

| Settings | Timeline | Project tools | Files |
|--------------|----------------------------------|-------------------------|-------|
| Months/weeks | 2016 | Display baseline | |
| | 2017 | Highlight critical path | |
| | M June July Aug Sept Oct Nov Dec | | |
| | Janu Febi Mar Apri May June July | | |

| ID | Activity | Start | End |
|----|-----------------------------------|-------------|-------------|
| 1 | Test | 25 Jul 2017 | 25 Jul 2017 |
| 2 | EnFL0002 - Core Development Phase | 16 May 2016 | 15 Aug 2016 |
| 3 | EnFL0001 - Develop Roadmap/Bluep | 20 May 2016 | 23 May 2016 |
| 4 | EnFL0003 - Proof of Concept | 01 Aug 2016 | 31 Aug 2016 |
| 5 | EnFL0004 - Elaboration Developmen | 15 Aug 2016 | 31 Oct 2016 |
| 6 | EnFL0005 - Full Deployment | 15 Sep 2016 | 14 Oct 2016 |
| 7 | EnFL0006 - Continuous Improvemen | 15 Sep 2016 | 13 Oct 2016 |
| 8 | EnFL0007 - KEY360 Implementation/ | 01 Nov 2016 | 01 Nov 2016 |

Fluidlink Earned Value Curve

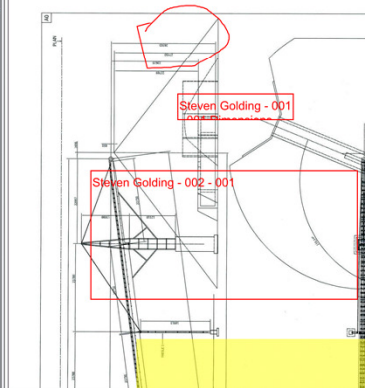
Legend: Earned Value

Document Review: 1100-000-0030 - Rev 1 - Copy(3).pdf

Document Review: 1100-000-0030 - Rev 1 - Copy(3).pdf

Zoom

- Comments
- 001: Steven Golding on 05 Sep 2016 1
 - 001: Steven Golding - 001 - 001 D
 - 002: Steven Golding on 25 Jul 2017 0
 - 001: Steven Golding - 002 - 001
 - 002: Steven Golding - 002 - 002
 - 003: Steven Golding - 002 - 003
 - 004: Steven Golding - 002 - 004



SSG CONSULTING

CONTRACTOR X

SSG KHULISA

SHE MANAGEMENT

OPERATIONAL SYSTEMS

- Daily Diaries
- SHE Manhours

COMPLIANCE

Personel

- Legal Appointment
- Medicals
- Permits

INTERVENTIONS

Leading

- VFL
- HIRA
- Toolbox Talks
- Site Walk
- Safety Campaign

Lagging

- Incidents
- Accidents
- Issues/ Risks

SHE Manhours per Labour Group


Incident Classification by Type

KEYDrive – Cloud Data Repository



KEY360

“Sometime you just need a safe cloud storage engine to map from a local PC. KEY360 seamlessly integrates local folders directly into the cloud”



KEYDRIVE

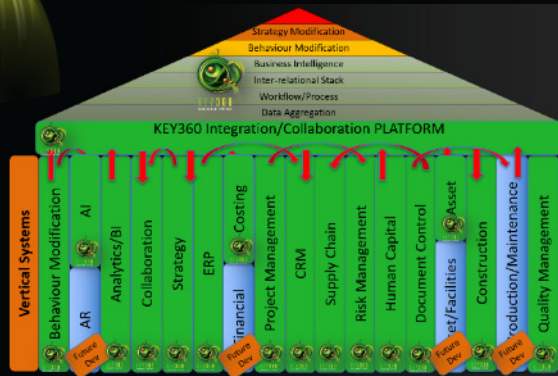
Training @ www.key360.co.za
Getting libfreetype-6.dll...

A KeyDrive account has been created for you using your current credentials.
KeyDrive will launch after being downloaded and perform an automatic setup.
Please don't interrupt that process until you see the FINISH button.

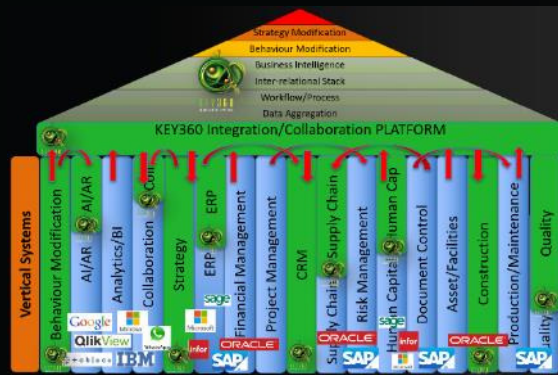
KEY360
MANAGEMENT SYSTEMS

KEY360 Implementation Models

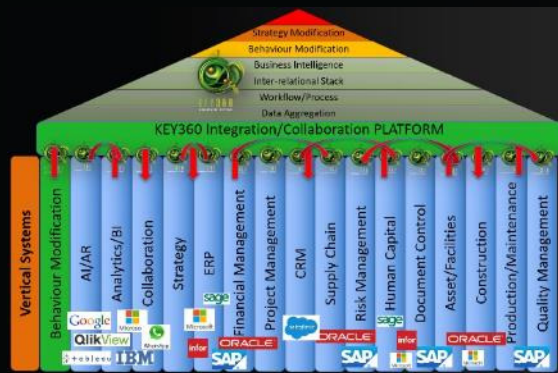
KEY360



Full KEY360 Stack Implementation



Blended KEY360 Stack integrated into existing solutions



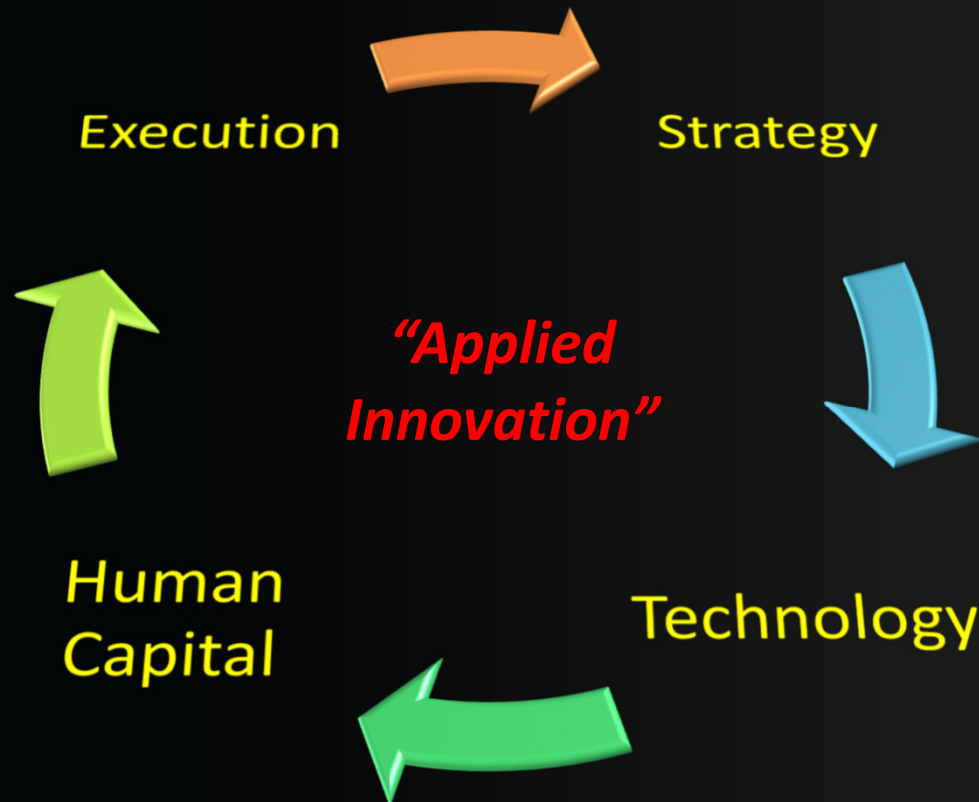
KEY360 used as an Integration Platform To facilitate BI, Analytics and IOC

KEY360 Philosophy



KEY360

*“Getting **people** and **machines** to do the right thing at the right time”*



The KEY360 Phenomenon



KEY360

“In KEY360 we log every “transaction”. That means we know who is doing what, when and how well they are doing it.

This gives KEY360 unprecedented power over the business.

When we reflect this back to the workforce in visualizations, we can change behavior dramatically.

*It's called the **KEY360 PHENOMENON!***

You won't believe it till you see it”