

## Request for Change

Change Request	
<b>Project:</b> VisOil – Drilling Data Graphical Display	<b>Date:</b> 2020-05-19
<b>Change Requestor:</b> Thomas Llewellyn	<b>Change No:</b> 001
<b>Change Category (Check all that apply):</b>  <input type="checkbox"/> Schedule <input checked="" type="checkbox"/> Cost <input checked="" type="checkbox"/> Scope <input checked="" type="checkbox"/> Requirements/Deliverables  <input checked="" type="checkbox"/> Testing/Quality <input type="checkbox"/> Resources	
<b>What Kind of Change? (Check all that apply):</b> <input type="checkbox"/> Corrective Action <input type="checkbox"/> Preventative Action <input type="checkbox"/> Defect Repair <input type="checkbox"/> Updates <input checked="" type="checkbox"/> Other	
<b>Describe the Change Being Requested:</b> Move application hosting from on-site hardware to free-tier cloud hosting solution.	
<b>Describe the Reason for the Change:</b> Pandemic; In-house hosting facilities closed, no access to hardware.	
<b>Describe all Alternatives Considered:</b> <ul style="list-style-type: none"> <li>- Changing scope to no longer require web access</li> <li>- Hosting from private network/laptop</li> <li>- Paying for 3<sup>rd</sup> party vendor</li> </ul>	
<b>Describe any Technical Changes Required to Implement this Change:</b> Will require implementation of Cloud resources: storage, database, hosting, and application. Cloud hosting also requires account & subscription. Infrastructure requirements such as hardware, network, security and services will now be provided by cloud provider, instead on in-house. All configurations will be done in a virtual environment instead of on physical hardware. Application features and development will remain functionally the same, but additional integrations with cloud provider will need to be made.	
<b>Describe Risks to be Considered for this Change:</b> Lack of experience with cloud hosting Unforeseen costs from hosting in cloud, should application exceed free tier allowance.	
<b>Estimate Resources and Costs Needed to Implement this Change:</b> Cloud Hosting Account/Subscription (e.g. Google Cloud Services, AWS, Azure, etc.) Project team will require time to learn how to implement cloud hosting.	
<b>Describe the Implications to Quality:</b> The final application will maintain it's original functionality, but with a predicted increase in availability, increasing the quality of the deliverable.	
<b>Disposition:</b> <input type="checkbox"/> Approve <input type="checkbox"/> Reject <input type="checkbox"/> Defer	
<b>Justification of Approval, Rejection, or Deferral:</b>	

# Change References

Functional Specification

## 3.2.3. System Infrastructure

### Original

Feature	Description
Hardware	Servers, monitors, keyboard/mouse, cables, routers, switches
Software	VMs, licensing, development software, productivity applications, Databases, Scripts, 3 <sup>rd</sup> party software.
Security	Firewalls, Intrusion Detection Systems, Anti Malware, Encryption, Secure Connections
Networking	Virtual Network,
Services	Web Service, Backup/Restore, DNS, DHCP, Email

### Revised

Feature	Description
Hardware	SAIT issued laptops,
Software	development software, version control software, cloud platform, productivity applications, Databases, Scripts, 3 <sup>rd</sup> party software, cloud subscriptionp
Security	Encryption, Secure Connections, user authorization, cloud-provided security features
Networking	cloud-web hosting, cloud networking.
Services	Web Service, Backup/Restore, Email

Legend	
	Item removed
	Item Added