

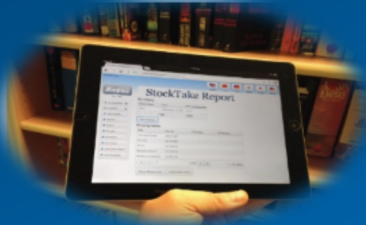


# Inventory Visibility and Automated Procedure Costing

Keeping track of inventory within a hospital can be cumbersome, resulting in having no inventory for procedures and high cost in lost or missing inventory. Often the reality of stock is different to the hospital ERP system, as stock moves around without entries in the ERP. Whereas RFID provides the actual truth of inventory. RFID is a simple low-cost way to seamlessly control inventory, providing the real location of as it moves from one place to another. Arcus automatically updates stock levels without the need for computer entry by staff.

Arcus interacts with Hospital ERP systems to provide seamless enhancement in Procurement, and automated costing of Procedures.

Arcus provides a simple means to automatically allocate inventory to a procedure without computer entry and staff training.



Inventory management in Hospitals is complex compared with inventory management in typical warehouses, where inventory is in a controlled environment managed by trained personnel. Nursing staff primary concern is patient care, not to control the inventory. Control of inventory is by Procurement who have no control over wards and limited access to theatres. This creates a chaotic inventory environment.

Arcus provides visibility of inventory serializing all items by RFID, keeping track of its location, without the need to make entries in the ERP. Stock usage is recorded as the discarded packaging is placed in the RFID waste bins.

Raising of purchase orders is automated and can be sent directly to vendors when discarded in the RFID bin, speeding up supply of critical items.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
	Vendor	Branch	Short Item					Minimum	Critical	Item	Order			Last	Usage 01 May
1	Name	VMI	Plant	Number	Item Code	Description	Par	Level	Low	Count	Qty	Also Found In	Critical?	Stocktake	2014-01 May 2014
2	100407	Y	Hybrid	64944	381134	CATHETER-ANGIOCATH (50)	N/A	N/A	N/A	7	N/A		N	7/05/2014	3
3	100407	Y	PY09	64944	381134	ARTERIAL LINE CATHETER 20G #	50	5	5	12	0	Hybrid(7),Burke St(57)	N	7/05/2014	1
4	100407	Y	PY12	55466	405138	SPINAL NEEDLE 25G 3.5 inch W	20	10	5	15	0	DPC(31),POD A(1)	N	7/05/2014	1
5	100407	N	PY12	64944	381134	ARTERIAL LINE CATHETER 20G #	50	30	20	57	0	Hybrid(7),POD C(11)	N	7/05/2014	13
6	100407	N	PY12	224215	405260	NEEDLE SPINAL YALE 20G	20	5	2	0	20	DPC(49),POD B(1)	Y	7/05/2014	1

## Stocktaking

Stocktakes are costly and often hold up procedures as areas are frozen during the stock take process, or a limited time is given to perform the stocktake.

Arcus stocktakes can be performed across the hospital within a couple of hours counting 10,000 items an hour. Stock takes can be accumulative and can be conducted without the need to freeze stock. Stock takes automatically reallocated stock to different locations.



## Consignment stock

Consignment stock can cause tension between vendors and customers, it is not owned by a hospital until used and vendors have no visibility into their inventory. If lost it can be invoiced by the vendor, even if it is just relocated or misplaced.

Arcus provides Vendors visibility of their inventory in each location for quicker resupply by email daily reports:

- ⇒ Received inventory
- ⇒ Stock takes
- ⇒ Used inventory and Resupply by PAR levels
- ⇒ Consignment visibility and automated notification of usage.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Vendor Name	Vendor Order	Branch Plant	Short Item Number	Code	RFID	Description	VMI	MIA	Creation Date	Serial No	Lot No	Expiry Date	Discarded on
2	100407	VMI	Hybrid	64944	381134	E200493F9517C13126FAAF04	CATHETER-ANGIOCATH (50)	Y	N	22/04/2014		12344123	1/09/2018	1/05/2014
3	100407	VMI	Hybrid	64944	381134	E200493F9517BC7126FAAEF1	CATHETER-ANGIOCATH (50)	Y	N	22/04/2014	I13CV	142124144	1/09/2018	1/05/2014
4	100407	VMI	Hybrid	64944	381134	E200493F9517BCB126FAAEF2	CATHETER-ANGIOCATH (50)	Y	N	22/04/2014	I13CV	1241241241	1/09/2018	1/05/2014
5	100407	VMI	PY09	64944	381134	E200493F9517BA7126FAAEE9	CATHETER-ANGIOCATH (50)	Y	N	21/01/2013	I13CV	2454234	1/09/2018	1/05/2014
6	100407	VMI	PY12	55466	405138	E200493F9517C4F126FAAF13	NEEDLE-SPINAL WHITACRE 25G(10)	Y	N	31/01/2014	I13CV	2345324543	1/08/2018	1/05/2014
7	100407	VMI	PY12	64944	381134	E200493F9517C6F126FAAF1B	CATHETER-ANGIOCATH (50)	Y	N	17/03/2014	I13CV	32452435423	1/09/2018	1/05/2014
8	100407	1231	PY12	64944	381134	E200493F9517C33126FAAF0C	CATHETER-ANGIOCATH (50)	N	N	29/04/2014	I13CV	2435425252	1/09/2018	1/05/2014
9	100407	1234	PY12	64944	381134	E200493F9517C2F126FAAF0B	CATHETER-ANGIOCATH (50)	N	Y	29/04/2014	131200579X	2435245252	1/09/2018	1/05/2014
10	100407	2345	PY12	64944	381134	E200493F9517C07126FAAF01	CATHETER-ANGIOCATH (50)	N	N	29/04/2014	131200579X	2352523532	1/09/2018	1/05/2014

## Procedure Costing

Often stock is used but not recorded against a procedure, resulting in not being charged to a healthcare fund. When inventory is not recorded against a procedure it creates inaccuracy and not being able to recover the cost from the healthcare fund.

Using Arcus procedure costing bins, inventory is automatically allocated to a procedure by simply placing it in the RFID bin. Procedures can be started and stopped by the touch screen or by placing the patient RFID slip on the bin. Stock is dynamically adjusted and trigger an immediate reorder by the PAR levels.



Adilam is a leading RFID solution and implementation provider. With a global network of technology partners, and a highly skilled team of engineers, we provide a range of RFID hardware and software solutions. These solutions are deployed on the world's first cloud based RFID application platform, Arcus—a rapid deployment platform managing the core elements of people, assets, inventory and movement and layered with custom built applications for each clients needs.

### Singapore

22 New Industrial Road  
 #07-16/17 Primax Building  
 Singapore 536208  
 t: +65 6513 1203  
 e: info@adilam.com.sg

### Australia

14 Nicole Close  
 Bayswater, Vic 3153  
 Australia  
 t: +61 3 9761 6922  
 e: info@adilamtech.com.au



**Adilam**  
 Evolution in Traceability