Below lists all of the significant changes in the new StruM.I.S 9.0.22 patch. The changes have been categorised by Module, and then into significant *New Features* and *Minor Enhancements & Bug Fixes*.

Enquiries & Estimating

New Features

Batch Creation of Unrecognised Items

During the import of material lists into an Estimate, Users now have the ability to easily create new Items for all of the components flagged as "Unrecognised" in a single process, saving the need to close the import Wizard and create the new Items one by one.

This has been primarily implemented for the creation of custom built-up profiles, but will be developed further to handle regular sections well.

									Cust	om Girder Prope	rties			
nore	Item Name	Section Size	Section Type	Grade	Labour Usages	Girder Shape	Girder Type	Depth	Web Thickness	TF Thickness	TF Width	BF Thickness	BF Width	Web Offset
	PG625-12-12X225	PG625-12-12X225	PG	\$355JR		I Profile	Symmetrical	625.000	12.000	12.000	225.000		225.000	
	PG625-10-10X160	PG625-10-10X160	PG	S355JR		I Profile	Symmetrical	625.000	10.000	10.000	160.000	10.000	160.000	0.000
	PG625-8-10X160	PG625-8-10X160	PG	\$355JR		I Profile	Symmetrical	625.000	8.000	10.000	160.000	10.000	160.000	0.000
	PG625-12-10X160	PG625-12-10X160	PG	\$355JR		I Profile	Symmetrical	625.000	12.000	10.000	160.000	10.000	160.000	0.000
	PG625-12-15X250-20X250	PG625-12-15X250-20X250	PG	S355JR		I Profile	Asymmetrical	625.000	12.000	15.000	250.000	20.000	250.000	0.000
	PG625-15-25X250	PG625-15-25X250	PG	\$355JR		I Profile	Symmetrical	625.000	15.000	25.000	250.000	25.000	250.000	0.000
	PG625-15-18X250	PG625-15-18X250	PG	\$355JR		I Profile	Symmetrical	625.000	15.000	18.000	250.000	18.000	250.000	0.000
	PG625-12-12X180	PG625-12-12X180	PG	S355JR		I Profile	Symmetrical	625.000	12.000	12.000	180.000	12.000	180.000	0.000
	PG625-12-12X160	PG625-12-12X160	PG	\$355JR		I Profile	Symmetrical	625.000	12.000	12.000	160.000	12.000	160.000	0.000
	PG625-12-18X170	PG625-12-18X170	PG	S355JR		I Profile	Symmetrical	625.000	12.000	18.000	170.000	18.000	170.000	0.000
	PG625-18-25X375	PG625-18-25X375	PG	S355JR		I Profile	Symmetrical	625.000	18.000	25.000	375.000	25.000	375.000	0.000
	PG625-15-30X425-35X425	PG625-15-30X425-35X425	PG	\$355JR		I Profile	Asymmetrical	625.000	15.000	30.000	425.000	35.000	425.000	0.000
	PG625-15-40X200	PG625-15-40X200												
	PG625-18-25X400	PG625-18-25X400												
	PG625-20-25X400	PG625-20-25X400												
	PG625-18-30X400-35X400	PG625-18-30X400-35X400												
	PG475-15-18X250	PG475-15-18X250												
	PG475-12-15X250	PG475-12-15X250												
	PG475-10-12X200	PG475-10-12X200												

- "New Item" button on the Estimate Steel Item form allows Users to create new Items onthe-fly whilst performing a material take-off.
- "Address Type" field has been added to the Details tab of the Enquiry form.
- Error no longer occurs when User applies a custom Bid Status to an Enquiry. 11654

Contracts Management

New Features

NC / CAM Splitting Tool for Built Up Sections

During the import of material lists into a Contract Detail Listing, Users now have the option to "split" built-up and difficult-to-source profiles into their individual plate components by utilising the Items' NC / CAM file.

This allows for much easier management throughout StruM.I.S of sections that need to be fabricated from plate.

0)		-		C	AM Splitter								
	Select the S	ource Folde	er for DSTV Files and the Ou	tput F	Folder for pro	cessed files								
Sou	irce Folder	C:\Users	\TEMP\AppData\Local\Tem;	o\CAN	4Splitter\C-00	153\SourceFolder								
Tar	get Folder	C:\Users	\TEMP\AppData\Local\Tem;	D\CAN	4Splitter\C-00	153\TargetFolder								
	a a saluma haa	lar hara ta	group by that column.											
	Source Fil	1		∠[Status	[Notes		Preview			
₽.	P15.nc1			s	plit	Flat used	for splitting.	Size: 3	300X25		Preview			
	Source	File	OutputFile P15TF.nc1	Sp	Status	Flat used for	splitting. Size	e: 300	Notes X25		Preview			
	0		P15BF.nc1 P15W.nc1		olit	Flat used for				0riginal Thickness(mm): 15.9	Preview			
	Source Fil	e		Z.	Status				Notes		Preview			
÷-	P16.nc1			S	ViewTools	ରୁ ଓ ଲୋ≑				StruCNC [P15.nc1,P15W.nc1]			×-
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Batch Creation of Unrecognised Items

During the import of material lists into a Contract, Users now have the ability to easily create new Items for all of the components flagged as "Unrecognised" in a single process, saving the need to close the import Wizard and create the new Items one by one.

This has been primarily implemented for the creation of custom built-up profiles, but will be developed further to handle regular sections well.

Import Individual-Instance NC Files

StruM.I.S now has the ability to recognise and manage individual-instance NC files for Mark Items via the Import Document Wizard.

Individual-instance NC files occur when Voortman's Tekla Layout Marking Plugin has been utilised within Tekla, and the NC files contain instance-specific details such as scribing.

The different iterations of a Mark Item's NC file will be utilised within StruM.I.S when generating work orders and sending NC files to workstations, ensuring only the relevant information for the relevant Mark Item instances is used.

🖳 🖉	The Generate Contract W	ork Orders; Details	form allows you to	Issue Mark and Mark	Items to create prod	uction work orders.					
sting ID		106	Facility	Derby							
ontract	C-0054		Description	v9.0.22 What's New 2	2						
🗹 Display individual mark and mark item instances I Mark Items Not Issued (115) P Mark Items Issued (0) P Marks Not Issued (15) Marks Issued (0)											
Mark Mark		Mark Items I CAM File	ssued (0) P N Code	Marks Not Issued (15)	Marks Issued	(0) Width	Phase	Lot	Quantity	Weight (1	
Mark	. ,	CAM File					Phase	Lot	Quantity	Weight (
Mark	Mark Item 🔺	CAM File				Width	Phase		. ,	=	
Mark	Mark Item	CAM File	Code	Item	Length	Width = 240.000	A		=	=	
Mark	Mark Item /	CAM File	Code L	Item	Length = 245.277	Width 240.000 240.000	Phase 1	1	1.000		

Multiple Contract Site Addresses

Users can now specify multiple "Contract Site" addresses for a given Contract.

Previously, it has only been possible to create a single address for the erection site of a Contract, but to meet the demands of our Clients working on larger projects where an erection site may have a series of different delivery addresses, these can now all be entered on the Site Details tab of a Contract.

ails C	Dates Invoicing	Phases / Zones Site Details	Contract Off-Site Data Notes	Custom Fields Attachme	ents Users Information				
		,							
	0	er land filler a	and the fat of the						
	Ine Contract;	Site details form allows you to e	nter the address of the site and o	contact.					
	Default	Address Type	Line 1	Line 2	Line 3	Line 4	ZIP / Postal Code	Country	Show In Orderin
9- 13		Address Type C-0054 - Main Site	Line 1 Radbourne Gate	Line 2 Radbourne Lane	Line 3 Mackworth	Line 4 Derby	ZIP / Postal Code DE3 8SP	Country UK	Show In Orderin
									Show In Ordering

Contract Off-Site Locations

Further to the new functionality with multiple Contract Site addresses, StruM.I.S v9.0.22 introduces a new location type; "Contract Off-Site".

These can be used for off-site modular assembly yards or remote, Contract-specific, storage locations such as ports and freight depots – and StruM.I.S allows Users to utilise these locations on Production Work Orders and Delivery Notes, providing greater traceability of goods when they leave the workshop.

ails [Dates Invoid	ing Phases / Zones Site Det	ails Contract Off-Site	Data Notes Custom Fi	ields Attachments User	s Information			
	The Contr	act; Off-Site details form allow	is you to enter the addre	ss of the site and contact					
			a you to enter the addre	ss of the site and contact.					
_	Default	Address Type	Line 1	Line 2	Line 3	Line 4	ZIP / Postal Code	Country	Show In Orderin
	Default	Address Type C-0054 - Laydown 1	Line 1 Hackwood Farm	Line 2 Radbourne Lane	Line 3 Mackworth	Line 4 Derby	ZIP / Postal Code DE3 8SP	Country UK	Show In Orderin
_	Default								Show In Orderin

Bentley ProStructures Cad Interface

A new cad interface has been created for Users detailing in Bentley ProStructures (v8 onwards).

This is in association with BIMReview's ability to open ProStructures' I.DGN model export format.



Autodesk Advance Steel Cad Interface

The existing Advance Steel cad interface has been updated to support Users detailing in Autodesk Advance Steel 2016.

This is in association with BIMReview's ability to open Advance Steel's SLMX model export format.

AUTODESK[®] ADVANCE STEEL

MBS Cad Interface

A new cad interface has been created for Users detailing in MBS (Metal Building Software Inc.).



- The field "Quantity Pieces" is now available to add to the Phase / Zone Totals report. This displays the quantity of Mark Items per Mark or Phase (depending on Print Option). 12222
- It is now possible to differentiate between Shop and Site bolts on the SDS/2 BIMReview cad interface. 12079
- The field "Paint Finish Description" is now available to add to the Paint Finish List report for both Marks and Mark Items. 12487
- Users can now refresh the Contract drop down list on the Contract ribbon to see new Contracts; using the F5 key and right-click Refresh. 11865
- My Contract Reports is now enabled even if it is only at Preliminary Listing stage. 11226
- The Employee Timesheet Notes field is now available to add to the Budgets Employee Timesheets grid. 12230

- Mark custom fields are now available to add to the Phase / Zone Totals report. 12658
- Mark custom fields are now available to add to the Drawing Material List report. 12659
- Error no longer occurs when the Contract ribbon is minimised and User attempts to select a Contract. 11432 / 12847
- Error no longer occurs when attempting to load a Contract BIMReview model. 11989
- Users with Update Custom Field Values permission on Contract Detailed Listing can now edit Mark and Mark Item custom field values. 12721
- Mark custom fields are now available to add to the Contract Detailed Listing Drawing Marks grid. 13184

Items & Inventory

New Features

New Plate Girder Item Properties

When creating new Items, it is now possible for Users to identify built-up profiles and enter more detailed properties.

By nominating a Section Type as a "Custom Girder", Users can create symmetrical and asymmetrical I beams and box girders; specifying both top and bottom flange dimensions, and in the case of box girders, also the web offset.

This feature can be used in collaboration with the "Batch Creation of Unrecognised Items" during the import process (under Contracts Management: Major New Features), to save time when importing a material list which contains non-standard profiles.

tails Item Propert	ties Purchasing Informa	tion Selling Informat	ion Cross References 1	abour Usages Cu	stom Fields Attac	hments Information	
The Item	; Details form allows you	to define the fundam	ental details of an item.				
m ID	3336						
m Type	Steel						
ique Name	650X15-20X350-182F	G-S355JR					
ernative Name							
scription	650X15-20X350-182F	G-S355JR					
		G-S355JR Weight (T/m)	0.182				
stCode	N/A	▼ Weight (T/m)	0.182				
stCode	N/A		0.182				
scription stCode iste/Scrap Cost Co iteel Section Proper	N/A	▼ Weight (T/m)	0.182	- Custom Girder Pro	operties		
stCode iste/Scrap Cost Co iteel Section Proper	N/A	▼ Weight (T/m)	0.182	- Custom Girder Pro Shape	perties I Profile		
stCode ste/Scrap Cost Co teel Section Proper section Code	N/A [N/A [N/A [Weight (T/m)				×	
stCode ste/Scrap Cost Co teel Section Proper section Code section Size	N/A [de N/A [ties	Weight (T/m)	350.000	Shape	I Profile Symmetrical		610.000
st Code ste/Scrap Cost Co teel Section Proper Section Code Section Size Grade	N/A [ide N/A [ties [[650X15-20X350-182 [[Weight (T/m) Width Depth	350.000	Shape Type	I Profile Symmetrical 65	•	610.000
st Code Iste/Scrap Cost Co	N/A [de N/A [tbes [[650X15-20X350-182 [[S355JR [[Width [] Width [] Web Thickness []	350.000 650.000 15.000	Shape Type Depth	I Profile Symmetrical 65	True Web Width	

Barcode Stock-Take (Inventory Reconciliation)

A new "Inventory Reconciliation Wizard" has been introduced to allow Users to import stock-takes done by barcoding, and reconcile this with existing Inventory.

This feature will be extended in future versions to cater for stock-takes done by other methods, such as in Microsoft Excel.

Improved Traceability of Inventory

Significant architectural changes have been implemented in StruM.I.S v9.0.22 to allow for greater traceability of Inventory and the components ultimately produced from them.

Key information such as Cast / Heat Numbers, CE Marking and Allocations is now maintained against each instance of a bar / sheet; and each bar / sheet is issued with a unique Tracking Number and GUID.

A new "Display Individual Instances" check box has been added to the Inventory search grid, allowing Users to choose between seeing the grids "rolled-up" with summarised quantities or "flattened" with individual instances.

- New Cross Allocation Summary Sheet by Cost Code report. 12242
- Error no longer occurs when User attempts to clear the filter of an individual column on the Inventory search grid. 11579

Purchasing & Suppliers

New Features

Transfer Purchase Order Lines

It is now possible to transfer lines on one Purchase Order to another Purchase Order.

This comes in handy when a Supplier can no longer fulfil all or part of a Purchase Order, and therefore the same Items need to be moved to a PO for another Supplier without having to re-enter all the information.

The Purchase ()rder; Lines form displays Steel, No	n-Staal and Fraat inai	tems balonging.	to the Purchase Order					
isplay individual insta			tenne beronging					1	
Order Quantity	Name	Length	Weight (T)	Unit Price (GBP)	Price Unit	Line Value (GBI) Delivery Date		
10.00	0 114.3X3.6CHS-S355J2H	10000.000	0.983			7	47.080 19-Jun-2015		
1.00			0.:	Batch Update			3.385 19-Jun-2015		
4.00			1.1 😛	Add Addition					
▶ 2.00	0 114.3X3.6CHS-S355J2H	10000.000	0.	Cancel the outstan	ding balance of t	ne selected lines	49.416 19-Jun-2015		
20.00	0 100X10FLAT-S275JR	6100.000	0.9	Transfer selected lin			02.793 19-Jun-2015		
6.00	0 100X10FLAT-S275JR	6100.000	0.207		(1) tollies		45.092 19-Jun-2015		
5.00	0 180X12FLAT-S275JR	6100.000	0.517	525.000	(T) Tonnes	2	71.572 19-Jun-2015		
12.00	0 12PLT-S275JR	4000.000	11.304		(T) T		00 500 10 Jun 2015	-	
1.00	0 12PLT-S275JR	1900.000	0.313	Searc	h for Purchase O	der			
4.00	0 15PLT-S275JR	5000.000	5.888						_
15.00	0 100X100X8.0R5A-5275JR	12200.000	2.233		Use the filters to	help locate the supplier	and purchase order youw	ish to select	
7.00	0 120X120X10.0RSA-S275JR	12200.000	1.554						
3.00	0 70X70X6.0R5A-5275JR	4783.000	0.092	9	upplier	Pride Steel Ltd		-	1
4.00	0 254X146X37UB-S355JR	16500.000	2.442		urchase Order				
				PL PL	incluse order	PO-00082		-	5

Copy Purchase Order

Ideal for when placing regular Purchase Orders for stock, the new Copy Purchase Order option allows Users to quickly duplicate an existing PO and all of its lines onto a new Purchase Order.

					🖳 Copy Purchase Orde	er	- • ×
					Name Supplier Supplier Address	PO-{#####} Bishop Steel Ltd Barnsley	•
					Facility Delivery Location	Derby Derby Stock Yard	
					Order Delivery Date	03/08/2015	
1					Line Value Options	 No Change Apply Item Supplier Rates Apply Item Default Rate Set to Zero 	
	Reports +				Copy Additions	Yes	
	Send EDI Purchase Order			Total Received		No No	
	Export EDI Purchase Order Receive EDI Updates	64629.63	GBP	Total Value Inc. Tax		0	
	Receive Order	53858.02	GBP	Total Value Exc. Tax		Сору	Cancel
0	Copy Purchase Order	94.875		Weight (T)			
	Cancel Purchase Order	1252.638		Area (M²)	0.0	00	
0	View Item Status						
_/	Actions +						

Cancel Purchase Order and Purchase Order Lines

The new Cancel Purchase Order option will remove all undelivered lines from a Purchase Order; unnesting them in the process if necessary.

Likewise, it is also possible to cancel the balance of a selection of individual PO lines, should a Supplier not be able to fulfil the original requirement.

Minimum Order Quantity and Order in Multiples Of

The existing *Minimum Order Quantity* and *Order in Multiples Of* properties on the Purchasing Information tab of an Item have been extended to work with Steel Items.

These settings are ideal for ordering the likes of bolts, which are bought in packs (ie. multiples), and they will even work when nesting Items – with the shortfall being added to the Purchase Order as free stock lines.

	Page 🥃 General Search [Item] 📑 I	tem : [M20X45 XOX						
etails	Item Properties Purchasing Information Selli	ing Information Cr	oss References	Labour Usages	Custom Fields	Attachments I	nformation	
	The Item; Purchasing Information form allows y	you to set up suppl	ier and cost info	rmation for the it	em.			
Defau	It Price 0.00 Defau	It Price Unit	(T) Tonnes					
	Supplier	Default Supplier	Price Unit	Currency	Unit Price	Discount %	Min Order Quantity	Order in Multiples of
	Supplier Estimating Vendor / Stockist (Derby)	Default Supplier	Price Unit Each	Currency GBP	Unit Price 0.000	Discount % 0.000		
							1.000	1.000
	Estimating Vendor / Stockist (Derby)		Each	GBP	0.000	0.000	1.000	1.000
	Estimating Vendor / Stockist (Derby) Estimating Mill (Derby)		Each Each	GBP GBP	0.000	0.000	1.000 1.000 1.000	1.000 1.000 1.000
•0	Estimating Vendor / Stockist (Derby) Estimating Mill (Derby) BOQ Vendor / Stockist (Derby)		Each Each Each	GBP GBP GBP	0.000 0.000 0.000	0.000 0.000 0.000	1.000 1.000 1.000	Order in Multiples of 1.000 1.000 1.000 1.000 25.000

tails Lines Notes Custom Fields Attachments Information												
The Purchase Order; Lines form displays Steel, Non-Steel and Free Line items belonging to the Purchase Order												
Dis	isplay individual instan	ces										
Di	isplay individual instan Order Quantity	ces Name	Allocation	Unit Price (GBP)	Price Unit	Line Value (GBP)	Length	Weight (T)	Delivery Date	MinQuantityExcessLin		
	Order Quantity		Allocation C-0054	Unit Price (GBP) 11.950		Line Value (GBP) 16.013	Length 0.000		Delivery Date 29-Jul-2015	MinQuantityExcessLin		

AISC Steel XML Functionality

AceCad have undertaken the first phase of implementing the AISC Steel XML schema into StruM.I.S. This electronic data interchange (EDI) between fabricators and suppliers will remove the need for manual requests for quotation and time-consuming double entry of costs etc.

Please note that the use of this feature will require a Vendor also compatible with the AISC Steel XML schema.

Display Individual Lines on Purchase Orders and Receipts

Both the Purchase Order Lines tab and the Purchase Order Receipts grid have a new "Display Individual Instances" check box option. Ticking this option will "flatten" the lines in the grid, so each line has a quantity of 1.

This will allows Users to enter different properties for different instances of a Purchase Order Line – for example if you order 5 bars and 3 instances have one Cast / Heat Number and the remaining 2 have another, ticking this option will easily allow this information to be entered.

Details Custom Fields	Attachments Information									
	e Order Receipt; Details form r	manages the receipt of Items fr	om Suppliers							
Receipt ID	250									
Number	REC-00057									
Supplier	Cook Metals (Loughboroug	ah) Ltd								
Supplier Delivery Note	CML-20150729/01001									
Receive Date	29/07/2015									
Facility										
Receive to Facility	Derby									
Currency	GBP									
Display individual in	stances									
Quantity	Line Description	Item	Length	Width	Cast Reference	Tracking Number	CE Mark	Country Of Origin	Order	Locatio
	10PLT-S275JR	10PLT-S275JR	2500.000	1250.000		-			PO-00089	Derby Stock
2.000	12PLT-S275JR	12PLT-5275JR	2500.000	1250.000					PO-00089	Derby Stock
4.000	15PLT-S275JR	15PLT-5275JR	2500.000	1250.000					PO-00089	Derby Stock
Display individual in		Item	Length	Width	Cast Reference	Tracking Number	CE Mark	Country Of Origin	Order	Locatio
Display individual in Quantity 1.000	Line Description /	Item 10PLT-S275JR	Length 2500.000	Width 1250.000		Tracking Number 973-00008	CE Mark	Country Of Origin	Order PO-00089	
Quantity	Line Description 🔨		-		A1B2C3	-	CE Mark			Derby Stock
Quantity 1.000	Line Description A 10PLT-S275JR	10PLT-5275JR	2500.000	1250.000	A1B2C3 D4E5F6	973-00008	CE Mark	UK	PO-00089	Derby Stock Derby Stock
Quantity 1.000 1.000	Line Description / 10PLT-S275JR 10PLT-S275JR	10PLT-5275JR	2500.000	1250.000 1250.000	A182C3 D4E5F6 G7H9J0	973-00008 973-00009	CE Mark	UK	PO-00089 PO-00089	Derby Stock Derby Stock Derby Stock
Quantity 	Line Description // 10PLT-5275JR 10PLT-5275JR 12PLT-5275JR	10PLT-5275JR	2500.000 2500.000 2500.000	1250.000 1250.000 1250.000	A1B2C3 D4E5F6 G7H9J0 K01L02	973-00008 973-00009 983-00097	CE Mark	UK UK UK	PO-00089 PO-00089 PO-00089	Derby Stock Derby Stock Derby Stock Derby Stock
Quantity - 1.000 - 1.000 - 1.000 - 1.000	Line Description // 10PLT-52753R 10PLT-52753R 12PLT-52753R 12PLT-52753R 12PLT-52753R	10PLT-5275JR 10PLT-5275JR 12PLT-5275JR 12PLT-5275JR	2500.000 2500.000 2500.000 2500.000	1250.000 1250.000 1250.000 1250.000	A182C3 D4E5F6 G7H9J0 K01L02 M03N04	973-00008 973-00009 983-00097 983-00098	CE Mark	UK UK UK	PO-00089 PO-00089 PO-00089 PO-00089	Locatio Derby Stock Derby Stock Derby Stock Derby Stock Derby Stock Derby Stock
Quantity 1.000 1.000 1.000 1.000 1.000 1.000 1.000	Line Description // 10PLT-S2753R 10PLT-S2753R 12PLT-S2753R 12PLT-S2753R 15PLT-S2753R	10PLT-5275JR 10PLT-5275JR 12PLT-5275JR 12PLT-5275JR 15PLT-5275JR	2500.000 2500.000 2500.000 2500.000 2500.000	1250.000 1250.000 1250.000 1250.000 1250.000	A182C3 D4E5F6 G7H9J0 K01L02 M03N04 M03N04	973-00008 973-00009 983-00097 983-00098 1003-00043	CE Mark	ик ик ик ик ик	PO-00089 PO-00089 PO-00089 PO-00089 PO-00089	Derby Stock Derby Stock Derby Stock Derby Stock Derby Stock

- The Purchase Invoice and Order Reconciliation report now displays "Received" and "Uninvoiced Received" columns. 12036
- Unticking the Purchasing & Supplier Option "Auto Purchase Order Receipt Numbering" will now enable Users to manually enter Purchase Order Receipt Names. Previously it would be necessary to have the "Auto Purchase Order Numbering" unticked too. 13142

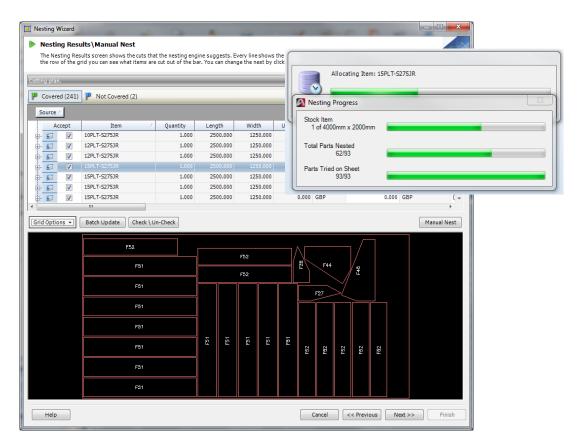
Production

New Features

StruM.I.S Plate Nesting

StruM.I.S now has its own "true-shape" plate nesting engine, allowing Users to accurately optimise their plate requirements on a job against available Inventory and Supplier sheet sizes.

Please note at this time this is primarily a procurement tool and will not produce post-processed data for the relevant machines.



Fabricated Sections Management

As a further feature of the "NC / CAM Splitting Tool" (under Contracts Management: Major New Features); as the split components are progressed through Production Control, the resultant built-up profiles are created in Inventory for effective management of these Items.

Users can select whether this process is manual or semi / fully automated.

🜴 Start Page 🛛 🐴 Ge	enerate Contract Work Orden	s : [C-0053] 💦 😚 Prod	uction Control	Receive Invento	ory from a Work Order	: [RWO-000000	002] ×				
Details Notes Custom	Fields Information										
The Received	d Inventory from a Work Ore	ler; Details form allows you	u to Receive Inventory if	ems from a com	pleted Work Order						
Transaction ID	253										
Name	RWO-00000002										
Description											
Date	29/07/2015 💌										
Facility											
Receive to Facility	Derby										
Currency	GBP										
Display individual in:	stances										
Name	Quantity	Cast Reference	Tracking Number	CE Mark	Country Of Origin	Unit Price	Unit	Value	Cost Code	Location	Yard Reference
914X305X224UB-9	5275JR 1.000	P05Q06, T09U10	2263-00014		UK		(T) Tonnes	1731.541		Derby Stock Yard	
914X305X224UB-5	5275JR 1.000	P05Q06, T09U10	2263-00015		UK	800.000	(T) Tonnes	2137.792	10.08 👻	Derby Stock Yard	

New Production Barcode Tool

StruM.I.S v9.0.22 sees the release of a new Production barcode tool, available across Windows Mobile, Android and iOS platforms.

The new application provides a fusion of the existing "Batch" and "RF" barcoding tools; with the ability to sync scan data wirelessly without the need to physically plug the scanners in and capture employee timesheet data. Functionality to add Assembly Marks to Delivery Notes is also included.

In addition to the above, several architectural changes have been made to expose the barcoding functionality as web services. This will enable Clients to develop their own barcoding applications shop they wish to.

giffgaff 🛛 🛇 🛈 💎 📶 🗎 15:2	23 giffgaff 🖽		🛇 🛈 🛡 🖌 📋 16:02					
	Process:	Pre-Fabricat	tion Inspection					
AceCad Scanning System	Employee	[:] John Murdo	ock					
SCANNER	Item Code	Item Code: C32232Q1						
DELIVERY	Operation	[:] MOVE						
SETTINGS		ADD						
		SCAN						
	John Sub Murdock Con	ntract	MOVE OK					
	John Sub	C32240Q1 htract	MOVE OK					
	John Sub	C32241Q1 htract	MOVE OK					
	John Sub		MOVE OK					
SYNC NOW	Saved.							
Sync status: Idle		CLOSE						
	\triangleleft	0						

Integration with ShopData PeddiNest Plate Nesting Software

ShopData's PeddiNest is the latest 3rd party plates nesting software to integrate with StruM.I.S, giving Users the power to combine the two progams.

StruM.I.S supports integration with PeddiNest vX.X



Reports in Production Console

Production Console Users are now able to run up to 5 different reports from the shop floor, without the need to log into a full StruM.I.S license.

The 5 reports are customisable, and can be defined within Production Options.

So Pr	oduction Console; All	ows you to start	and stop contract	work orders for cre	ating timings and employee	timesheets; and or mo	ove work orders to the r	. 🖯	View Cutting Plan	
ilter Options	Stage=F	Pre Fabric	=C-0053, Pha	S	On Screen Keyboard					
acility	Derby		Move							
mployee							 Auto 	R	Start	
	Specify retu	rned offcuts (No	te: this option on	ly applies to mark it	em work orders)					
Not :	Started (7)	R Curr	ent Activity	(0)					Stop	
Assem	oly MarkItem	W	Length	CastReference	TrackingNumber	CountryOfOrigin	CEMark	0	Cancel	
ebs	P66	1	5077	H34T0L	2308-00008	UK		問	View Drawing	
eB4	P66	2	5077	H34T0L	2308-00008	UK		1201	View Cam using Struc	NC
eB7	P64	1	4369	C45T0Z	2308-00009	UK		(FIRE)	_	INC
eB4	P66	1	5077	C45T0Z	2308-00009	UK		* *	Edit CAM	
👍 EB1	P67	1	5355	C45T0Z	2308-00009	UK		10000	Add Note	
BB8	P63	1	4979	LOP19	Detailed Nestin	g Full Cutting	List Report		Print Reports	
eB6	P65	1	4048	LOP19	Assembly Pick I	ist by Main M	P.S	Exchange Bars		
					Outstanding W	ork Report			Batch Update	
					Nesting Pick Lis	t Report			Refresh Grid	
	s •				Site : Productio	n Delivery No	te		Actions	

SigmaNest Plate Nesting Enhancements

StruM.I.S v9.0.22 will now work correctly with SigmaNest v10.

Users can also specify the "Stamp Text Height" within Production Options to control the size of text added to parts within SigmaNest.

Finally, the Results screen on the Nesting & Ordering Wizard will now display the Workspace name from within SigmaNest.

Improved Traceability within Production Control & Console

Users are now able to add the Cast / Heat Number, CE Mark, Country of Origin and Tracking Number fields to the Production Control and Production Console grids for enhanced material traceability.

ter (Options	Stage=Pr	e Fabri	cation, Pro	cess=Cuttir	ng, Facility=Der	by, Contract=	-C-0053,	Phase/Zone=·	<all></all>	Filter
cilit	у	Derby									
plo	yee							•	Auto Refresh (Mins)		
		Specify returne	ed offcuts (N	ote: this option on	ly applies to mark it	em work orders)					
1	Not Star	rted (7) 🚽	🜏 Curi	ent Activity	(0)						
	Assembly	MarkItem	Quantity	Length	CastReference	TrackingNumber	CountryOfOrigin	CEMark	Cutting Plan	Sequence	Lot
þ	EB5	P66	1	5077	H34T0L	2308-00008	UK		1471	Phase 1	Lot 2
þ	EB4	P66	2	5077	H34T0L	2308-00008	UK		1471	Phase 1	Lot 2
þ	EB7	P64	1	4369	C45T0Z	2308-00009	UK		1472	Phase 1	Lot 2
þ	EB4	P66	1	5077	C45T0Z	2308-00009	UK		1472	Phase 1	Lot 2
þ	EB1	P67	1	5355	C45T0Z	2308-00009	UK		1472	Phase 1	Lot 2
þ	EB8	P63	1	4979	LOP19F	2308-00007	Spain		1473	Phase 1	Lot 2
le le	EB6	P65	1	4048	LOP19F	2308-00007	Spain		1473	Phase 1	Lot 2
-											
	Options •									Г	Actions

Edit Delivery Note Address

When creating or editing a Delivery Note, Users now have the ability to edit the address and contact details that will appear on the Delivery Note report.

Production Delivery Notes Searc 👘 🚺 Production Delivery Note : [SIT-000000010] 🗙												
Details Work Orders Notes Custom Fields Information												
The Production Delivery Note Details form allows you to create/edit a production delivery note												
Production Delivery Note ID 12												
SIT-00000010												
C-0054 - Lot 1 to Site												
Open 💌	•	Address Name	C-0054 - North Entrance									
Derby 🔹	·	Address	Radbourne Gate (North)									
Erection Site	-		Station Road									
	-		Mickleover									
C-0054	•		Derby									
C-0054 - North Entrance	•	ZIP / Postal Code	DE3 8RW									
Adam Henshall 🔹	•	Country	UK									
30/07/2015	•											
-	•											
ACE 01	• •••											
	·											
	0											
		Email										
	y Note Details form allows you to or 12 IT-000000010 -0054 - Lot 1 to Site upen Perby Perby -0054 -0054 - North Entrance dam Henshall 0/07/2015 CE 01 2 2 2 2 2 2 2 2 2 2 2 2 2	y Note Details form allows you to create/ed 12 IT-000000010 >0054 - Lot 1 to Site upen Perby rection Site v -0054 v -0054 v of A vorth Entrance v dam Henshall v 0/07/2015 v v	v Note Details formallows you to create/edit a production deliv 12 itt-000000010 :-0054 - Lot 1 to Site ippen :-0054 - Lot 1 to Site :-0054 - Lot 1 to Site :-0054 - North Entrance :-0054 -									

Contract Off-Site Locations

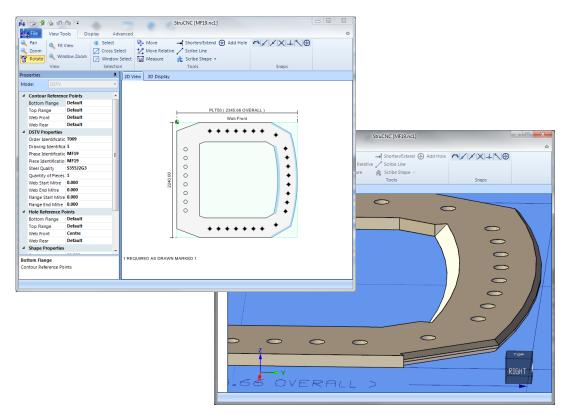
See "Contract Off-Site Locations" (under Contracts Management: New Features).

Improvements to StruCNC

Several improvements have been made to StruCNC, StruM.I.S' embedded NC viewer and editor.

3D Visualisation – vastly improved 3D representation of NC files.

Weld Prep / Bevelled Edges - now correctly displayed in both 2D and 3D views.



Edit Cuts from Properties Table – mitre / bevel end cuts can now be edited from the Properties Table.

¥.	ی 😢 🕹	(2) ÷	-					StruCNC [M6.nc1]			
120	File View To	ols Di	splay Adv	anced	-						۵
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	View		Selectio	n				Tools		Snaps	
Pro	perties		ņ	2D V	/iew 3D Di	play					
	de: DSTV		*								
4	Contour Reference		<u>^</u>	Project	tion : Third Angle						
	Bottom Flange	Default					-	UC356*36	58117	7 (6000.00 OVERALL)	_
	Top Flange	Centre				-	<u>.</u>		Т	p Flange	
	Web Front	Default				0	Ь			-	
	Web Rear	Default				372.6					
4	DSTV Properties					1					
	Order Identification		No.								
	Drawing Identifica										
	Phase Identification								v	(eb Front	
	Piece Identificatio					Т	٩f				
	Steel Quality	S275				68.20					
	Quantity of Pieces					×					
	Web Start Mitre	0.000				-				1	-
	Web End Mitre	30.000									
	Flange Start Mitre									tom Flange	
	Flange End Mitre					TI			Bot	om Plange	
4	Hole Reference P					8			-	5 5 5 1 1	
	Bottom Flange	Default				372.					
	Top Flange	Default				1	_				
	Web Front	Default									
	Web Rear	Default									
4	Shape Properties					-			٧	(eb Rear	_
	Depth	368.200				8			-	 _	7
	Flange Thickness					368.2					
	Root Radius	15.200				1					
	Shape	UB	*				1			• •	
	b End Mitre TV Properties			1 REQ	UIRED AS DRAW	N MARK	KED				

Original Length Visualisation – now includes full bar length required before cuts are made.

DSTV Files – interpretation of DSTV files has been improved.

- The nominated Process for each Employee is now available to add to the Employee search grid.
- The Purchase Order Description has been added to the Purchase Order drop down list on the Nesting & Ordering Wizard. 12198
- IDSTV+ post processor now supports single parts (as opposed to only nested parts). 12134
- IDSTV+ post processor no longer requires Model Type to be specified on model import. 12135
- Mark and Mark Item custom fields are now available to add to the Item Barcode Labels report. 12670
- When un-nesting in Production Nesting & Ordering, if the bar / sheet had previously had a Preliminary nesting allocation, it will revert back to this. Previously, all allocations were removed. 12883
- Having nested to Inventory with a Contract and Phase allocation; if this is subsequently unnested then the Contract and Phase allocation remain. Previously, the Phase allocation was removed, leaving the bar / sheet with a Contract allocation only. 6925
- Stamp settings applied on the Workstation now work with the FENICE+ post processor. 13121
- The Purchase Order field on the Cutting Plan Viewer will now show for Inventory bars / sheets. Previously, this field only displayed for bars / sheets ordered during the nesting process. 11868
- Rounding logic now applies when importing subsequent Preliminary Material Lists. 12959
- Nesting is now correctly handling the quantities of Non Steel Items when nesting partially to Inventory and partially to Suppliers. 11238
- Error no longer occurs when a Mark Item has a custom Cut Type and User attempts to Generate Contract Work Orders (ie. Issue to Production). 11768
- StruM.I.S no longer crashes when User attempts to add a Mark or Mark Item to a Production Delivery Note from the Complete process. 11828
- Issue with incorrect allocations no longer occurs when nesting the same Item to a combination of regular and welded bars. 12006
- The Unallocated Cutting List Report now correctly groups by Contract and then Section Type. 12233
- When nesting a Non Steel Item with a Minimum Order Quantity, the shortfall requirement will no longer be allocated to the same cutting plan. Instead a new line will be added to the Purchase Order without an allocation. 12297
- The Material Traceability report now displays all page of the associated Test Certificates when the option to "Include Test Certificates" is selected. Previously it only displayed the first page of each document. 12532
- Offcuts will no longer be incorrect when Mark Items on a Saved Nest are subsequently covered under a different nest. 12808

Document Management

New Features

Certificate Number added to Mill Test Certificates

Users are now able to enter a Certificate Number against each Cast / Heat Number when associating them to a Test Certificate document.

This is primarily intended for multi-page documents, which may contain several individual certificates. This reference will display in Inventory to make it easier to locate the relevant page in the document.

						Doc	cument Cast Reference	No. of Concession, Name	8-2% X-10		_	_				
							Update the Cast Reference's ass	ociated with a Document								
						0	inAllocated Cast Reference			A	llocated Cast Reference					
							Supplier /	Heat #	Receipt		Supplier	Heat #	V Certificate Number			
							Alro Steel Corporation	W1022	REC-00037		CCC Steel, Inc.	778020	Cert-304401-02			
							Atlas Tube	C 456787	REC-00015		CCC Steel, Inc.	303491	Cert-304401-02			
							California Steel and Tube	C h456	REC-00006		CCC Steel, Inc.	223695	Cert-304407-04			
🎓 Start	Page	👉 System Navigatio	n 🗾 Inv	entory Search	x		California Steel and Tube	H erty	REC-00013		CCC Steel, Inc.	159371	Cert-304407-04			
_							Generic Nesting Supplier	H 75434	REC-00014		CCC Steel, Inc.	129757	Cert-304407-06			
	Select the	e search criteria, then	press Search.				Generic Nesting Supplier	XYZ123	REC-00016				Certificate Number			
							Gerdau Ameristeel	789POL	REC-00020				Cert-304401-02			
Genera	Allocati	on Advanced					Gerdau Ameristeel	ABC123	REC-00020				Cert-304407-04			
Show	14						Gerdau Ameristeel	DEF456	REC-00020				Cert-304407-06			
Snow	nems	🔘 All 🔘 Steel 🏾	y Non Steel 🔘 /	Assemblies			Gerdau Ameristeel	H 98765	REC-00011							
							Gerdau Ameristeel Gerdau Ameristeel	TR28787 TR343434	REC-00001 REC-00002							
Name							Metals USA	RR33443	REC-00002							
Facili	ty	<all></all>		-			Nucor Fastener	C 5678	REC-00003							
Locati	ion			 Yard Refe 	rence		Nucor-Yamato Steel Co.	C 98765	REC-00007							
Max Ro	WS	0														
		•														
Displ	ay individu	al instances					Grid Options 👻				Batch Update		OK Close			
All (9)	3) 2	Free (0) P Alloca	ated (17)	Non Usable	(76) 🛛 👂 Loc	ked (0)										
Qua	ntity	Name	Length	Width	Weight (T)	Heat #	Test Certificate	Certificate Number	Allocation	Is Ren	nnant Purchase Ord					
2	11.000	W 24X55 A992	18288.108	0.000	16.465	918402	W0035	Cert-500/092	15-0025		PO-00040					
2	1.000	1/4" PLT A36	5655.031	1524.009	0.418	863219	PL0370	Cert-110394	15-0025		PO-00031					
2	1.000	3/8" PLT A36	805.807	1524.009	0.081	839521	PL0370	Cert-110408	15-0025	V						
2	1.000	3/8" PLT A36	6096.036	2438,414	1,112	792250	PL0371	Cert-099761	15-0025							
5		5/8" PLT A36	4532,913	1524.009		522679	PL0370	Cert-111013	15-0025							
2		3/4" PLT A36	6096.036	1524.009		449616	PL0371	Cert-099803	15-0025							
2		L 4X4X1/2 A36	12192.072	0.000		414669	W0035	Cert-500/092	15-0025		-					
2		W 24X146 A992	7620.045	0.000		239471	W0035	Cert-500/092	15-0025							
2		W 33X152 A992	10668.063	0.000		223695	14680-1201 50 13232	Cert-304407-04	15-0025							
		W 33X152 A992	12192.072	0.000		159371	14680-1201 50 13232	Cert-304407-04	15-0025							
8																
8		3/8" PLT A36	6096.036	1524.009		147637	PL0371	Cert-098988	15-0025							
8		W 33X221 A992	16764.099	0.000		129757	14680-1201 50 13232	Cert-304407-06	15-0025							
2		3/4" PLT A36	4040.285	1524.009		104066	PL0370	Cert-111041	15-0025	V						
2	1.000	W 24X192 A992	9144.054	0.000	2.613	020085	W0035	Cert-500/093	15-0025							
8	2.000	W 24X192 A992	16764.099	0.000	9.580	020085	W0035	Cert-500/093	15-0025	1	PO-00040					
2	2.000	W 24X55 A992	10668.063	0.000	1.746	017805	14680-1201 50 13220	Cert-30051-003	15-0025	E	PO-99999					
2	1.000	W 24X55 A992	18288.108	0.000	1.497	017805	14680-1201 SO 13220	Cert-30051-003	15-0025		PO-99999					
-											-					

Minor Enhancements & Bug Fixes

• RFI custom fields are now available to add to the RFI search grid. 13211

System

New Features

Attachment Storage outside Database

Users now have the option to store attachments outside of the StruM.I.S database. Instead, attachments are stored within an organised file structure – determined within System Options.

This is particularly useful for Clients using SQL Server 2008R2 Express, as this has a maximum database size of 10GB.

Improved Automated Task Reporting

When running a Report as an Automated Task, Users can now define the Measurement Unit (ie. Metric or Imperial), Denominator (Imperial only) and Weight Unit (ie. KGs, Tonnes, LBs or Tons).

It is also now possible to distribute the report via email to select recipients.

👍 Start Pag	ge 🛛 👉 Syst	em Navigation	Automated Tasks : [Outstanding	g Work Report (Daily @ 05:00am)]	x		- ⊲					
Details	Schedule Histon	y Information										
	Define tasks t	hat will run on the server	, please read the help files to co	nfigure the scheduler								
Job ID	- Denne toska t		, preuse reud the help mes to co	inguie die scheduler								
01 001		7										
Name		Outstanding Work Rep	ort (Daily @ 05:00am)									
Descripti	ion											
		Enabled										
Action		🔘 Backup Database	Automatic EDIE-Mail Collect	ion								
		🔘 Get Updates	Run Transaction Interface									
	💿 Run Stored Procedure 💿 Automatic Workstation Feedback											
		Run Dos Command	O Automatic Hotfix Update									
		Run Application	Run System Report									
Report		Outstanding Work Rep	ort				•					
Send To		PDF File Excel File	e									
Output Pa	ath	C:\Users\TEMP\Docun	nents									
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		Set Parameters					I					
Measure	ement Unit	Imperial			Denominato	Sixteenth						
		Impenal				Sixteenth	•					
Weight U	Unit	(Ib) Pounds			•							
		Send Email Set E	mail Properties									

UNC File Path Storage

All network locations specified within StruM.I.S are now stored as full UNC paths (Uniform Naming Convention). This resolves the issue of when certain Users having mapped network drives that other Users do not.

Minor Enhancements & Bug Fixes

• New System User Access report. 12262

BIMReview

New Features

Improved Graphics Engines

Users now have the option to toggle between two graphics engines to suit their requirements;

Open GL – offers better backwards compatibility for older hardware (i.e. graphics cards).

Direct X – offers better performance, especially in a virtual environment such as Remote Desktop.

Improved Tekla Plug-in Functionality

A variety of new features have been added to the BIMReview plug-in for Tekla (versions 18 to 21).

Colour By Attribute – allows Tekla Users to colour code the model based upon live data within the associated StruM.I.S Contract.

Quick Enquire – allows Tekla Users to create a custom enquiry on the associated StruM.I.S data, for example... . These enquiries can be saved to be reutilised time and time again.

Profile Naming – gives Tekla Users greater control over the naming of certain profiles, namely plates and flats. This can make importing a model into StruM.I.S much easier with all plates and flats consistently named.

As an example, Users can remove the Width of a Piece Mark from the profile name, so what would previously listed as PLT10*245, PLT10*250, PLT10*255 – would all be listed as PLT10.



Please see BIMReview v8 What's New for further information.

Autodesk Revit 2015 Plug-in Support

Users of Autodesk Revit 2015 can export a BIMReview model (BSWX) by installing the BIMReview plug-in.

Models exported can then be imported into StruM.I.S.

AUTODESK[®] **REVIT**[®]

SMLX Support for Autodesk Advance Steel

BIMReview now supports opening and converting of Autodesk's SMLX model file format from Advance Steel.

Models exported can then be imported into StruM.I.S via the updated Advance Steel cad interface.

AUTODESK° ADVANCE STEEL

I.DGN Support for Bentley ProStructures / ProSteel

BIMReview now supports opening and converting of Bentley's I.DGN model file format from ProStructures and ProSteel.

Models exported can then be imported into StruM.I.S via the new Bentley I Model cad interface.

