



STORK

A Fluor Company

STARTING IN PROJECT CONTROLS

LARS VAN KUIJK

WHY PROJECT CONTROLS?

- Financial background: MSc Finance
- Executive Management Trainee
- Stork Constructors, large construction projects
- Technical & industry knowledge



PROJECT CONTROLS @STORK

- Data connections
 - Cost control
 - Planning
 - Prince - Proprietary Business Process management Tool
 - Work preparation
 - Progress
 - Quality
 - Costsheets
 - Subcontractors
 - PowerBI reporting
- Change/Contract management
- Separate department independently reporting to Project Director

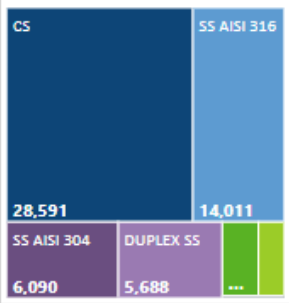


61.0%
% Prefab progress

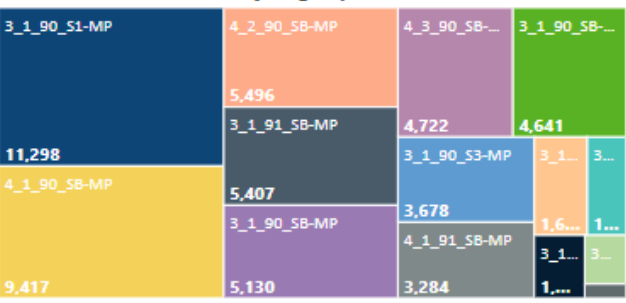
63.0%
% Prefab progress 55,969

57,755
Prefab Hours Known

Prefab Hours Known by Eng Wpack



Prefab Hours Known by Eng Wpack



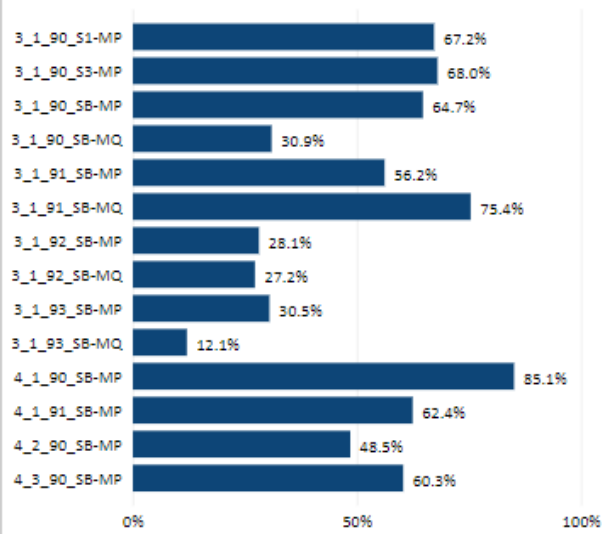
35,245
Prefab Hours Earned

2320
Spools on Site

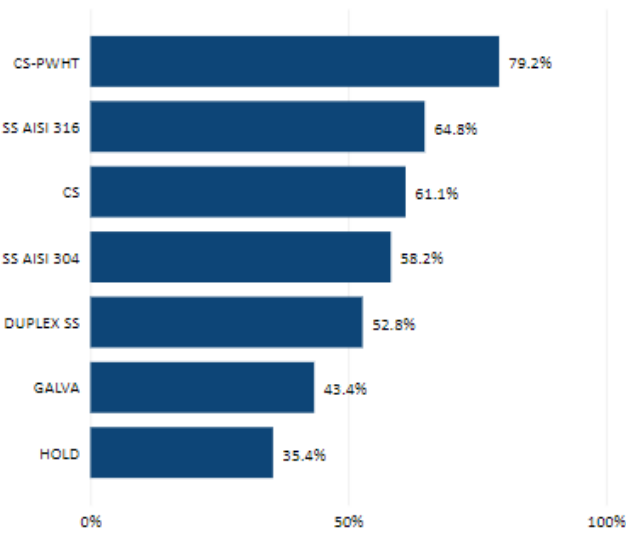
22,510
Prefab Hours to Go

9,566
Total Spools

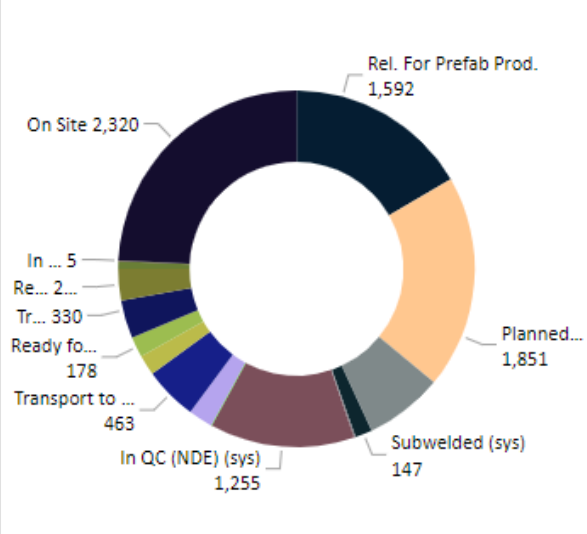
% Prefab progress by Eng Wpack



% Prefab progress by Base Material



Spools by step



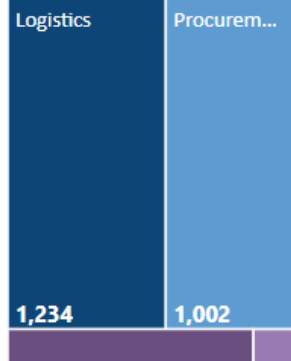
Detailed status by spool

Zone	# Total Spools	Priority Date	Earn Value	Spool Value	%	Material Complete	QC (NDE)	QC final	To cleaning	Ready for Painting	To painter	To Site	On Site
10	464	21-Aug-23	3,328	3,718	89.5%	464	298	384		384	337	333	333
11	525	19-Aug-23	2,498	2,857	87.4%	500	286	383	19	364	355	360	359
12	475	20-Aug-23	1,820	2,311	78.8%	440	234	292	25	267	262	266	265
13	115	19-Aug-23	363	561	64.6%	105	50	64	7	57	49	54	52
15	158	10-Feb-24	541	697	77.6%	150	79	101	5	96	94	84	81

Hours Prefab



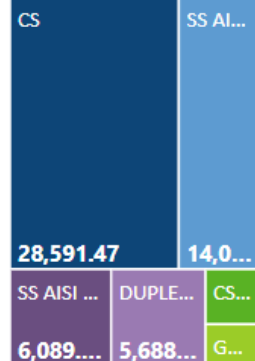
Department Problem



Material status



Material type



57,755
SoN Prefab

78,417
Prefab WDI

4,394
Count of Workfolder

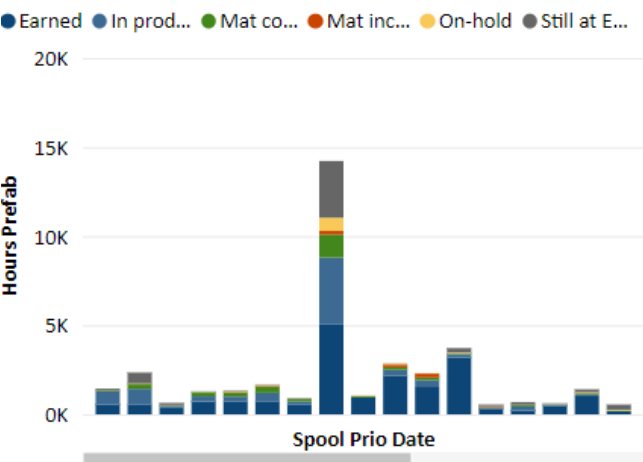
55%
% Quantity received

- Eng Wpack (Blank)
- - 3_1_90_S1-...
 - 3_1_90_S3-...
 - 3_1_90_SB-...
 - 3_1_90_SB-...
 - 3_1_90_SB-...
 - 3_1_91_SB-...
 - 3_1_91_SB-...
 - 3_1_91_SB-...

Component group description
All

Support filter

Hours prefab per Prio



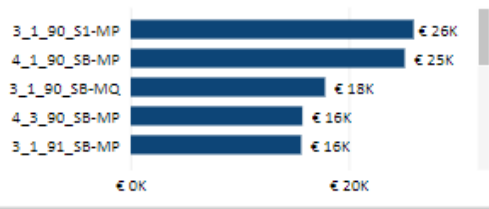
Missing material

Stock Number	Quantity Missing
5600	72.00
4886	63.00
5056	62.00
5599	44.00
12378	24.50
13012	22.00
5577	14.00
5308	12.00
4749	11.80
13013	9.00
12646	8.00
5378	8.00
9886	6.00

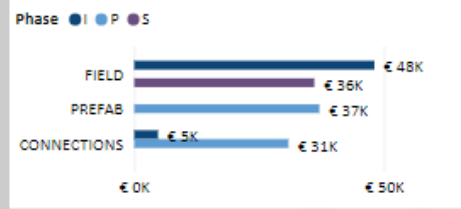
Missing material

Spool Prio Date	Stock Number	Description item
21-Jul-23	5378	Nipoflange 3/4" 150# R.F. SCH 40S A182 F51 UNS S31803 3.1 Main Size: 3"
21-Jul-23	5600	Valve Globe BW 1" 600# XS A105 3.1 Metal Seat Welded Bonnet
05-Aug-23	5600	Valve Globe BW 1" 600# XS A105 3.1 Metal Seat Welded Bonnet
05-Aug-23	5600	Valve Globe BW 1" 600# XS A105 3.1 Metal Seat Welded Bonnet
07-Aug-23	13427	Plate End for Dummy 22CR DUPLEX UNS S31803 Round 86 x 10mm
08-Aug-23	6271	Tee Reducer BW 1 1/2" 3/4" XS XS A234 WPB 3.1
08-Aug-23	6271	Tee Reducer BW 1 1/2" 3/4" XS XS A234 WPB 3.1
08-Aug-23	6271	Tee Reducer BW 1 1/2" 3/4" XS XS A234 WPB 3.1
08-Aug-23	6271	Tee Reducer BW 1 1/2" 3/4" XS XS A234 WPB 3.1
09-Aug-23	5378	Nipoflange 3/4" 150# R.F. SCH 40S A182 F51 UNS S31803 3.1 Main Size: 3"
Total		

Piping Price by CWP



Piping Price by phase



€ 156,759
€ Price Piping

€ 23,809
Price NDE Prefab

€ 25,388
€ Price Painting

189,764
Pay Quantity Piping

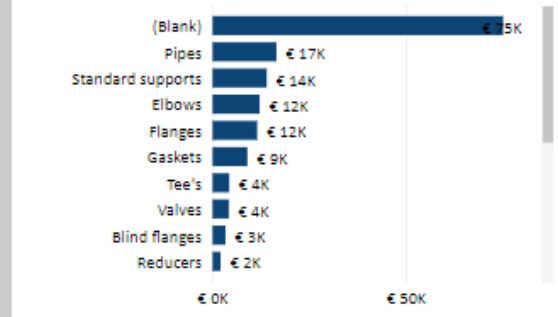
Work folder number
All

€ 1,192
Price PWHT Prefab

Piping

Workfolder	Description	Prefab/Field	Phase	Spl	MTO-qty	Pay-qty	Unit-Rate	€ Price Piping
10001	Flange Blind 4" 150# R.F. SmFi A105 3.1	FIELD	S	2	1.00	0.57	1	€ 1.00
10001	Flange Blind 4" 150# R.F. SmFi A105 3.1	PREFAB	P	2	1.00	0.15	1	€ 1.00
10001	Flange WN 4" 150# R.F. SmFi STD A105 3.1	FIELD	S	1	1.00	0.17	1	€ 1.00
10001	Flange WN 4" 150# R.F. SmFi STD A105 3.1	PREFAB	P	1	1.00	0.10	1	€ 1.00
10001	Gasket Spiral Wound 4" 150# 316 GRAPH.F. With CS CR/SS IR	FIELD	I		2.00	2.55	1	€ 2.00
10001	Install Studbolts by hand 1/2" 3/4"	FIELD	I		4.00	0.28	1	€ 1.00
10001	Metal label for spool identification	FIELD	S	1	1.00	0.25	1	€ 1.00
10001	Metal label for spool identification	FIELD	S	2	1.00	0.25	1	€ 1.00
10001	Metal label for spool identification	PREFAB	P	1	1.00	0.08	1	€ 1.00
10001	Metal label for spool identification	PREFAB	P	2	1.00	0.08	1	€ 1.00
10001	Metal label for support identification	FIELD	I		1.00	0.25	1	€ 1.00
10001	Pipe 4" STD A106 GRADE B 3.1	FIELD	S	1	0.50	0.69	1	€ 1.00

€ Price Piping by Component group description



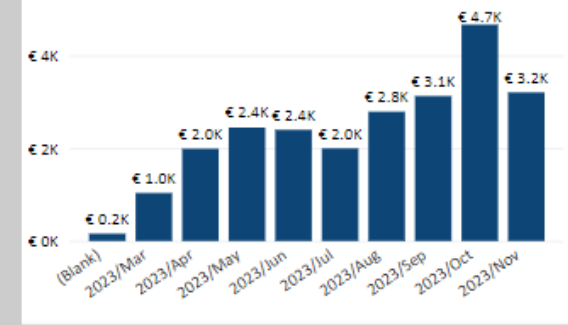
NDE Prefab

Workfolder	Description	NDE Report	Spl	Test date
10001	Single-bevel(V-joint)	VT: 157	1	Wednesday, August 30, 2023
10003	Single-bevel(V-joint)	HA:47/23 HA-156	1	Monday, June 12, 2023
10003	Single-bevel(V-joint)	RT:47/23 RT-381	1	Friday, June 09, 2023
10003	Single-bevel(V-joint)	VT: 110	1	Friday, June 09, 2023
10004	Single-bevel(V-joint)	HA:47/23 HA-268	2	Monday, October 09, 2023
10004	Single-bevel(V-joint)	VT: 190	2	Saturday, September 30, 2023
10005	Single-bevel(V-joint)	VT: 81	1	Monday, May 15, 2023
10005	Single-bevel(V-joint)	VT: 86	2	Thursday, May 18, 2023
10005	Single-bevel(V-joint)	VT: 106	2	Tuesday, June 06, 2023
10006	Single-bevel(V-joint)	HA:47/23 HA-01	1	Wednesday, March 15, 2023
10006	Single-bevel(V-joint)	RT:47/23 RT-01	1	Wednesday, March 15, 2023
10006	Single-bevel(V-joint)	RT:47/23 RT-01	2	Wednesday, March 15, 2023

€ 23,809
Price NDE Prefab

NDE Type	Pay-qty	Avg UR	Price
VT	18,584.00	€ 1.00	€ 17,728
PMI	4,463.00	€ 1.00	€ 4,463
RT	1,149.00	€ 1.00	€ 1,149
HA	339.00	€ 1.00	€ 339
MPI	76.00	€ 1.00	€ 76
FM	52.00	€ 1.00	€ 52

Price by YearMonthShort



WHAT IS NEXT?

- Lack of developments
 - Conservative design
 - Cooperation-style contracts versus traditional contract
 - Connections of data with clients
- AI influence?
- Automation or labor activities?

