



a Inventory control

0

Current re-order level

Review period (days)

Order quantity

Integrated planning of operations, maintenance & spares

Deliverable PTL06.009.000.D03: Basic demonstrator (screenshots)

STORM: scheduling Smart Tactical and Operational	Resource	and Mainte	nance																									-		\times								
Project Mission Schedule System Configuration				mainter	nance	Reposito	ories A	applicati	ion																													
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Lucida																														Ê								
Caterpillar C32 Acert Tier3 SDN01497									Fi	ilte							Inte	m								Filte												
Caterpillar C32 Acert Tier3 SDN01498									Fi	ilte							Inte	m								Filte												
Lacerta																		Í																				
Caterpillar C32 Acert Tier3 RNY01098																		Filte																				
Caterpillar C32 Acert Tier3 RNY02118																		Filte																				
Libra																																GORDIAN FUSE						_ =
Caterpillar C32 Acert Tier3 SDN00757									Inter	m		Filte									Overhar											Home Impor	t Analyze Exp	ort				
Caterpillar C32 Acert Tier3 SDN00761									Inter	m		Filte									Overha											Material info			A R2418 SEAL GROUP	CRANKSHAFT FRO	DNT •	€ 3 / 9€
Lynx	- 24/24/2																															Material no.	R2418		New bu	/ price	\$9,179	
								4																								Description	SEAL GROUP CRANKSHAP	FT FF	Scrap		0.00%	
Caterpillar C32 Acert Tier3 RNY01437								Inte	em			Filte									Ove	rhaul										Location	default		In stock		2.00	
Caterpillar C32 Acert Tier3 RNY01512								Inte	errr			Filte									Ove	rhaul										ահ Material planning			Planning type	Regular	-	Bookings VI
Lesath		~																				T								7		Reservations on time	4		Total co	,t	\$0	
Policy: JUST IN TIME																																Reservations late	8		On time	in full (%)	33	
																																	🔵 On time - Regular 🛑 Not	t on time	e 🔘 Expected stock o	n hand 🔘 Re-ord-	er level	





Re-order level 2 + - SAVE

150

90

\$1,000

23

New buy lead time (days)

Emergency lead time (days)

Repair lead time (days)

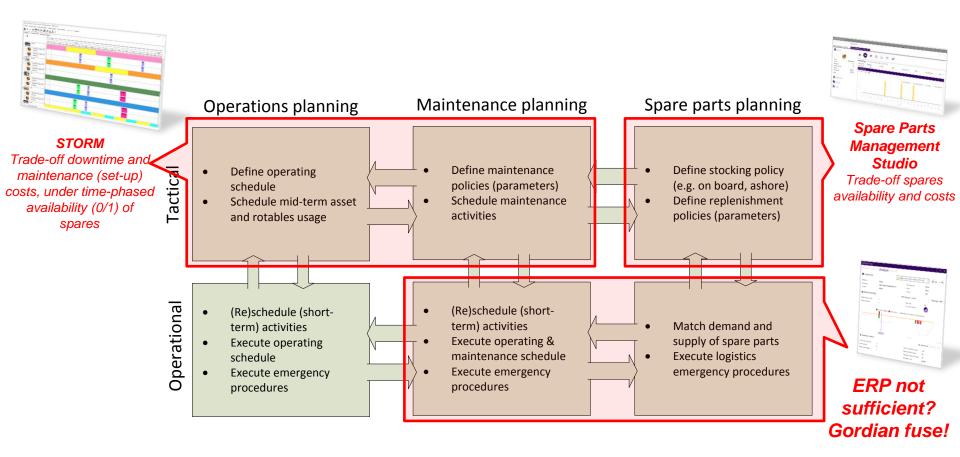
Emergency cost





Integrated planning of operations, maintenance & spares

Deliverable PTL06.009.000.D03: Basic demonstrator (screenshots)



2





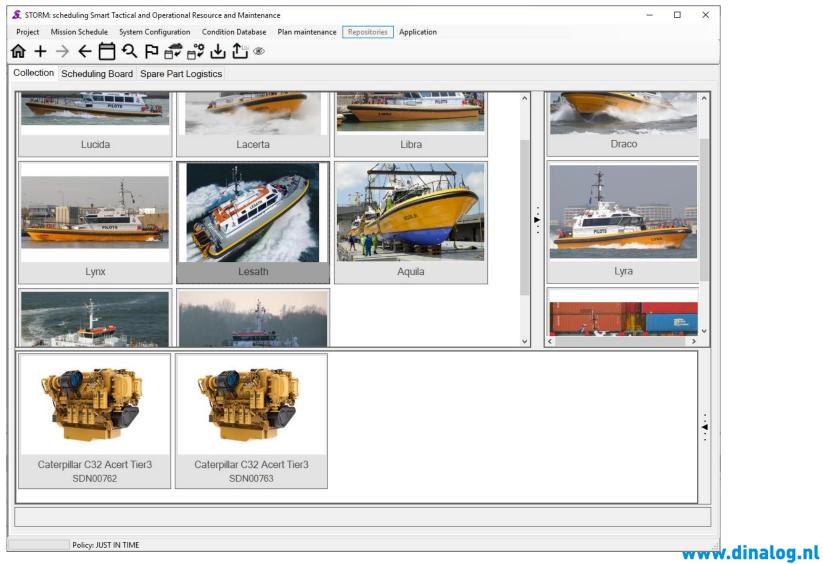
Repository: "create" assets

💀 DialogAssetRepository _33 × Degradation variables Commission date Wednesday, August 8,2018 🗐 -Name Dimension Description Caterpillar C32 Acert Tier3 Draaiuren Uren RNY00293 Vessel name Libra Commission date < > Friday , February 5, 2016 Component name Hamilton HM651 waterjet Vessel name Degradation variables Lucida Name Dimension Description Commission date Draaiuren Uren Caterpillar C32 Acert Tier3 June 10, 2014 🗐 -Tuesday RNY00426 Vessel name l vnx < > Commission date Component name GMDSS VHF DSC FT-805 A Class.jpg Monday , August 4, 2014 Degradation variables Name Dimension Description Vessel name Switches Aantal Lyra Commission date Cat C32 Acert Tier3 REC Tuesday , February 5, 2019 🗍 🛩 temp636858102376689392 < > lessel name Component name Cat C32 Acert Tier3 REC Drion Degradation variables Commission date Dimension Tuesday , February 5, 2019 Name Description Uren Draaiuren Brandstofverbruik Liter Vessel name Perseus Commission date GMDSS VHF DSC FT-805 A < > Tuesday , February 5, 2019 temp636858102412489452 < ¥ > Add vessel Create component instance Add component





Create a project







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Planning board – set the parameters

	Caterpillar C32 Ace	ərt Tier3					
spection info Degradation	on Maintenance Informatio	n					
Plan name	Variable	Level	# Days Rese	Delta	Color	+	
Overhaul	Draaiuren [Uren]	14000	25 YES	NO	FF0080		
ntermediate	Draaiuren [Uren]	6000	15 NO	NO	00FF00		
Ainor	Draaiuren [Uren]	2500	3 NO	NO	0080FF		
iter and valve check	Draaiuren [Uren]	~ 500	1 NO	NO	C0C0C0		
	Draaiuren [Uren]						
							_
		U		Cater	pillar C	32 Ao	ert Tier3
				Cater	pillar C	32 Ac	ert Tier3
		Inspection int	Degradation	Cater	-	C32 Ac	
		Inspection inf Variable insp			-		
					iance l		
		Variable insp	ection data	Mainter	hance I	nformatic	n
		Variable insp Component	ection data Variable	Mainter	hance I	nformatio Value	on Date
		Variable insp Component RNY02119	ection data Variable Draaiure	Mainter n [Uren] n [Uren]	iance I	nformatic Value 12710	on Date 2019-02-01
		Variable insp Component RNY02119 RNY00418	ection data Variable Draaiure Draaiure	Mainter n [Uren] n [Uren] n [Uren]	hance I	nformatic Value 12710 20213	on Date 2019-02-01 2019-02-01
		Variable insp Component RNY02119 RNY00418 RNY00419	ection data Variable Draaiure Draaiure Draaiure	Mainter n (Uren) n (Uren) n (Uren) n (Uren)	hance I	nformatic Value 12710 20213 20213	n Date 2019-02-01 2019-02-01 2019-02-01
		Variable insp Component RNY02119 RNY00418 RNY00419 RNY01098	ection data Variable Draaiure Draaiure Draaiure Draaiure Draaiure Draaiure	Mainter n [Uren] n [Uren] n [Uren] n [Uren] n [Uren]	hance	nformatic Value 12710 20213 20213 3600	n Date 2019-02-01 2019-02-01 2019-02-01 2019-02-01 2019-02-01
		Variable insp Component RNY02119 RNY00418 RNY00419 RNY01098 RNY02118	ection data Variable Draaiure Draaiure Draaiure Draaiure Draaiure Draaiure Draaiure	Mainter n [Uren] n [Uren] n [Uren] n [Uren] n [Uren] n [Uren]	hance	value 12710 20213 20213 3600 3600	on Date 2019-02-01 2019-02-01 2019-02-01 2019-02-01 2019-02-01 2019-02-01
		Variable insp Component RNY02119 RNY00418 RNY00419 RNY00498 RNY02118 SDN00762 SDN00763	ection data Variable Draaiure Draaiure Draaiure Draaiure Draaiure Draaiure Draaiure Draaiure	Mainter n [Uren] n [Uren] n [Uren] n [Uren] n [Uren] n [Uren] n [Uren]	ance	value 12710 20213 20213 3600 3600 8806	on Date 2019-02-01 2019-02-01 2019-02-01 2019-02-01 2019-02-01 2019-02-01 2019-02-01 2019-02-01
		Variable insp Component RNY02119 RNY00418 RNY00419 RNY00498 RNY02118 SDN00762	ection data Variable Draaiure Draaiure Draaiure Draaiure Draaiure Draaiure Draaiure	Mainter n [Uren] n [Uren] n [Uren] n [Uren] n [Uren] n [Uren] n [Uren]	ance	nformatic Value 12710 20213 20213 3600 3600 3806 3806 3806	on Date 2019-02-01 2019-02-01 2019-02-01 2019-02-01 2019-02-01 2019-02-01

Component Operating M	Caterpillar C32 A		_	
Inspection info Degradation	Maintenance Informa			+
Mode	Variable	Degradation		
UNDEFINED	Draaiuren [Uren]	C(6.500000)		
Tender Hoek van Holland	Draaiuren [Uren]	C(10.000000)		
Tender IJmuiden	Draaiuren [Uren]	C(6.000000)		
Tender Vissingen	Draaiuren [Uren]	C(4.000000)		
Tender Eemshaven	Draaiuren [Uren]	C(14.000000)		
Training	Draaiuren [Uren]	LOGNORMAL	~	
Promotie	Draaiuren [Uren]	CONSTANT		
HvH Vessel-A	Draaiuren [Uren]	UNIFORM		
HvH Vessel-B	Draaiuren [Uren]	ERLANG NORMAL GAMMA WEIBULL LOGNORMAL EXPONENTIAL		





Planning board – create a planning

£ STORM: scheduling Smart Tactical and Operational Resource and Maintenance	- 🗆 X
Project Mission Schedule System Configuration Condition Database Plan maintenance Repositories Application	
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Collection Scheduling Board Spare Part Logistics	
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2019	a sen oct nov dec ian feb mar anr may iun i
Image Image <th< td=""><td>q sep oct nov dec jan feb mar apr may jun j34 j35 j86 j37 j88 j39 40, k1 k2 k3 k4 k5 k6 k7 k6 k9 j69 j6 j5 j6 j7 j8 k3 j4 j5 j6 j7 k8 j9 t0 j11 j2 j3 k4 j5 j6 j7 j8 k3 j2 j</td></th<>	q sep oct nov dec jan feb mar apr may jun j34 j35 j86 j37 j88 j39 40, k1 k2 k3 k4 k5 k6 k7 k6 k9 j69 j6 j5 j6 j7 j8 k3 j4 j5 j6 j7 k8 j9 t0 j11 j2 j3 k4 j5 j6 j7 j8 k3 j2 j
P Lucida	
Caterpillar C32 Acert Tier3 SDN01497	Interm Filte
Caterpillar C32 Acert Tier3 SDN01498	Interna
Lacerta	
Caterpillar C32 Acert Tier3 RNY01098	
Caterpillar C32 Acert Tier3 RNY02118	Filte
Caterpillar C32 Acert Tier3 SDN00757	Filte Overhaul
Caterpillar C32 Acert Tier3 SDN00761	Filte Overhaul
Caterpillar C32 Acert Tier3 RNY01437	Filte
Caterpillar C32 Acert Tier3 RNY01512	Filte Overhaul
Lesath	
Policy: JUST IN TIME	





Planning board including "resource check"

STORM: scheduling Smart Tactical and Operational Res	source and Maintenance -	
Project Mission Schedule System Configuration	Condition Database Plan maintenance Repositories Application	
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Collection Scheduling Board Spare Part Logi	istics	
	2020	
	sep oct nov dec jan feb mar apr may jun jul aug sep 34 35 37 38 39 40 41 42 44 45 46 47 18 12 13 4 5 16 17 16 16 17 18 19 20 21 22 23 24 25 26 17 18 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 17 18 10 11 1 1 1 0	0 39 40 41 42
RNY02118		
Libra		
Caterpillar C32 Acert Tier3	Filter change ?	Filte
Caterpillar C32 Acert Tier3 SDN00761	Filter change ?	Filte
Lynx		
Caterpillar C32 Acert Tier3		
Caterpillar C32 Acert Tier3	P Filte Overhaul	
Lesath		
Caterpillar C32 Acert Tier3		
Policy: JUST IN TIME		





Planning board including "asset availability check"

STORM: scheduling Smart Tactical and Operational Res	purce and Maintenance	– 🗆 X
Project Mission Schedule System Configuration (Condition Database Plan maintenance Repositories Application	
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Collection Scheduling Board Spare Part Logi:	stics	
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	2019	2020
		feb mar apr may jun jul 6 7 8 9 10 11 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
WW RNY01098		
Caterpillar C32 Acert Tier3		
RNY02118		
Libra		
Caterpillar C32 Acert Tier3	Filte	Overhaul
Caterpillar C32 Acert Tier3		Overhaul
SDN00761		
Lynx		
Caterpillar C32 Acert Tier3	Interr Filte	Overhaul
Caterpillar C32 Acert Tier3		Overhaul
RNY01512		
Lesath		
Policy: JUST IN TIME		





Planning board "spares availability check"

GORDIAN FUSE			_ = ×
Home Import	Analyze Expor	t	
 Material info 		A R2418 SEAL GROUP CRANKSHAFT FRONT	· · · · · · · · · · · · · · · · · · ·
Material no. Description Location	R2418 SEAL GROUP CRANKSHAFT FF default	New buy price Scrap In stock	\$9,179 0.00% 2.00
և Material planning		Planning type Regular	Bookings VIEW
Reservations on time Reservations late 4 2 2 	4 8 On time - Regular Not on t	Total cost On time in full (%) time O Expected stock on hand O Re-order I	\$0 33 evel
a Inventory control		Re-	order level 2 + - SAVE
Current re-order level Order quantity Review period (days)	2 0 7	New buy lead time (days) Repair lead time (days) Emergency lead time (days) Emergency cost	150 90 23 \$1,000