

Dude Solutions Overview

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SOFTWARE FOR SMARTER OPERATIONS

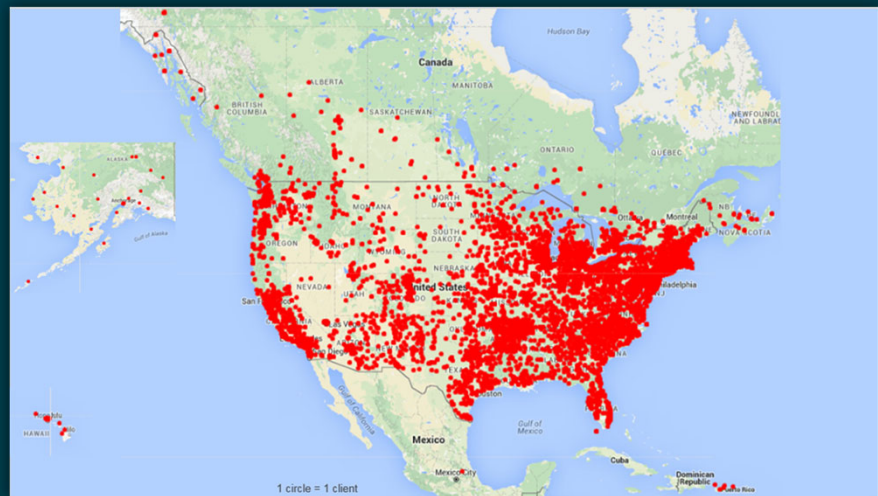
ABOUT DUDE SOLUTIONS

11,000+
Clients

96%
Client Satisfaction

550+
Employees

35 Million+
Annual Work Orders





ASSET ESSENTIALS OVERVIEW



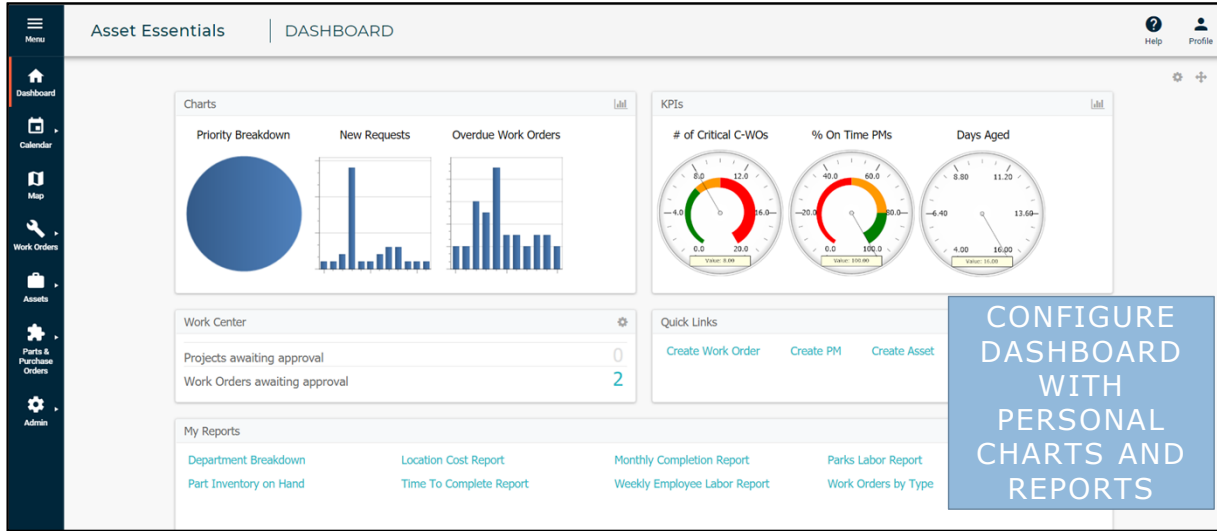
Software for smarter operations



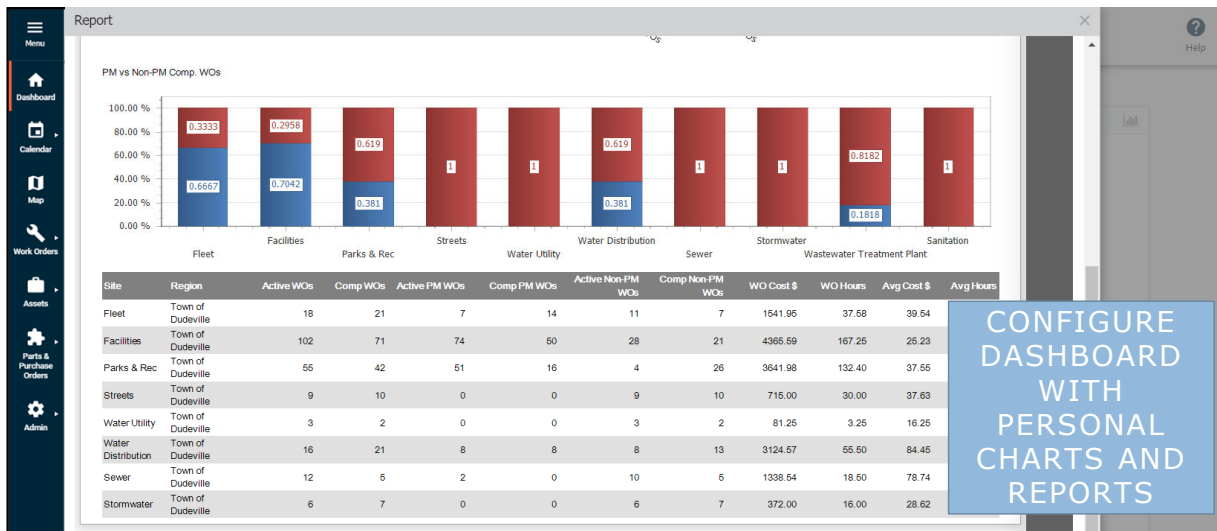
Dashboard



Dashboard



Dashboard



Work Orders

Work Orders

WORK ORDER SUMMARY	
Labor Hours:	27.50
Other Hours:	0
Total Hours:	27.50
Labor Cost:	\$687.50
Part Cost:	\$490.00
External Labor Cost:	\$0.00
Non Inventory Cost:	\$0.00
Equipment Usage:	\$0.00
Other Cost:	\$ 0
Total Cost:	\$1,177.50

WORK ORDER FORM TO TRACK DETAILS, COMMENTS, PICTURES, DATES AND FINANCIAL INFORMATION.

Work Orders

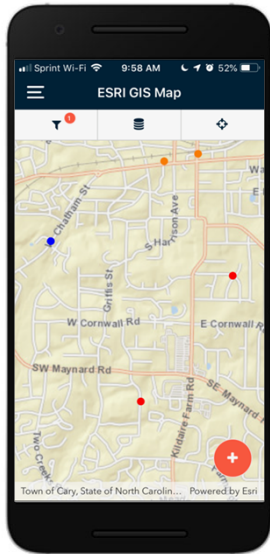
The screenshot displays the 'WORK ORDER FORM' interface. At the top, there are navigation options: 'Asset Essentials', 'WORK ORDER FORM', and a 'Go To' dropdown. Below this, there are buttons for 'SAVE', 'CANCEL', 'NEW FORM', 'SUMMARY', and 'PRINT'. The main content area is divided into two sections: 'LABOR' and 'PARTS'. The 'LABOR' section contains a table with columns for First Name, Last Name, Hour(s), Reg/OT, Hourly Wage, Sub total (\$), and Labor/End Date. The 'PARTS' section contains a table with columns for Part Name, Part #, Quantity, Site, Location, Part Storage, Description, Date Used, and Usage Type. A blue callout box with white text is overlaid on the labor table, stating 'TRACK DETAILS ABOUT LABOR HOURS AND MATERIALS USED'. The interface also includes a sidebar with navigation icons for Dashboard, Calendar, Map, Work Orders, Assets, Parts & Purchase Orders, and Admin.

First Name	Last Name	Hour(s)	Reg/OT	Hourly Wage	Sub total (\$)	Labor/End Date
Chad	Hines	7	Regular	\$25.00	\$175.00	05/30/2019 07:55:00 AM
Dan	Arant	7	Regular	\$25.00	\$175.00	05/30/2019 07:55:00 AM
Rodney	Hunter	6	Regular	\$25.00	\$150.00	05/30/2019 07:55:00 AM
Sam	Chaplin	5	Regular	\$25.00	\$125.00	05/30/2019 07:55:00 AM
Luke	Anderson	2.5	Regular	\$25.00	\$62.50	05/30/2019 07:55:00 AM

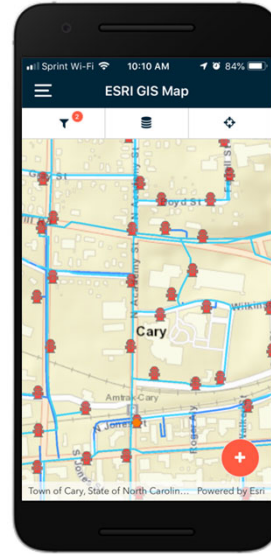
Part Name	Part #	Quantity	Site	Location	Part Storage	Description	Date Used	Usage Type
Snap Cap Diffuser	4	56	[Divide Across All]	WWTP Parts Storage	Aisle: A Bin: 111		05/30/2019 07:23:54 AM	Dispatched

Mobile App

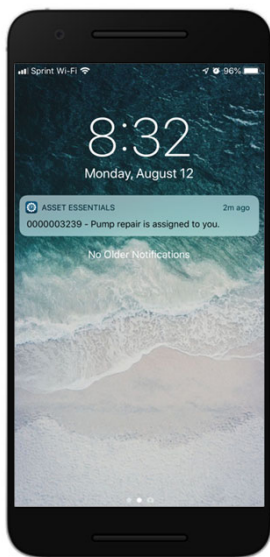
Mobile App



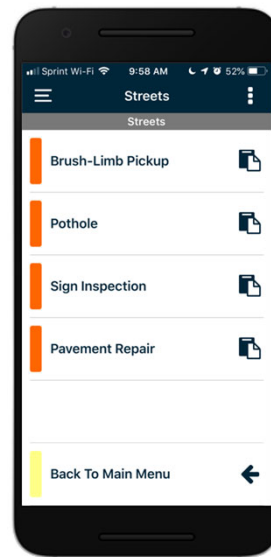
SEE WORK ORDER AND GIS MAPS IN THE FIELD



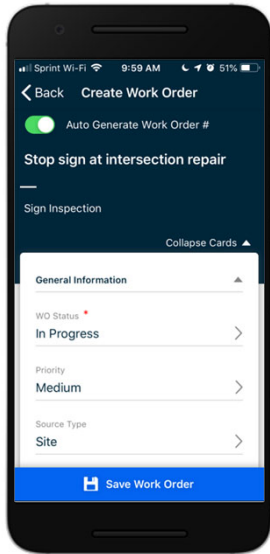
Mobile App



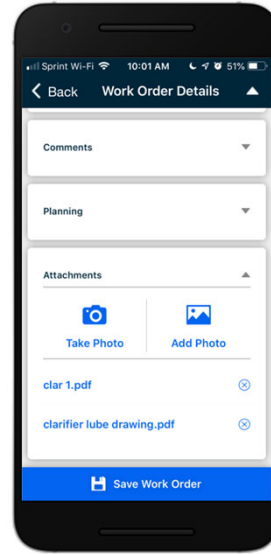
RECEIVE AND COMPLETE WORK ORDERS IN THE FIELD



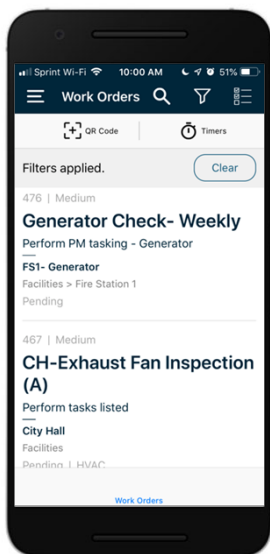
Mobile App



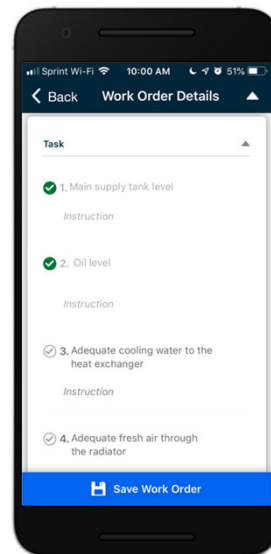
ADD DETAILS AND PICTURES TO WORK ORDERS IN REAL TIME



Mobile App



ADD DETAILS AND PICTURES TO WORK ORDERS IN REAL TIME



Facilities

Facilities – Work Order List

TRACK WORK ORDERS BY LOCATION, STATUS, DATE, ETC.

Work Order #	Source Location	Title	WO Status	Priority	Origin	Source Asset	Assigned To First Name	Assigned	Expected
390	City Hall	lights are flickering	New Work Order	Medium	Non-PM		Elayne	06/19/2019 08:15:00 AM	06/21/2019 08:18:00 AM
389	City Hall	lights are flickering really badly	In Progress	Medium	Non-PM		Elayne	06/19/2019 08:38:00 AM	
388	Correctional Facility	Generator Check-Weekly	Pending	Medium	PM	CF- Backup Generator	SupLead	06/18/2019 06:03:00 AM	06/19/2019 11:59:00 PM
384	Correctional Facility	Generator Check-Weekly	Pending	Medium	PM	CF- Backup Generator	SupLead	06/11/2019 06:03:00 AM	06/12/2019 11:59:00 PM
281	City Hall	hot in here	Completed	Medium	Non-PM	CH- Outdoor Chiller	Luke	06/06/2016 08:37:00 AM	
280	City Hall	hot in here	Completed	Medium	Non-PM	CH- Outdoor Chiller	Luke	06/06/2015 08:37:00 AM	
279	City Hall	blowing hot air into office	Completed	Medium	Non-PM	CH- Outdoor Chiller	Luke	06/06/2014 08:37:00 AM	
278	City Hall	too hot	Completed	Medium	Non-PM	CH- Outdoor Chiller	Luke	06/06/2011 08:37:00 AM	
277	City Hall	HW- pump repair	Completed	Medium	Non-PM	CH- HW Pump 1	Luke	06/06/2018 08:37:00 AM	
276	City Hall	HW- pump repair	Completed	Medium	Non-PM	CH- HW Pump 1	Luke	06/06/2016 08:37:00 AM	

Facilities – Asset List

Asset Essentials | ASSETS

+ New Delete More ... Print/Report Columns View (Shared) Facilities Asset Forecast

Name	Category	Location	Replacement Cost \$	Current Condition	Est. Replace Date
CF- Backup Generator	Generator	Correctional Facility	3500.00	Excellent	05/10/2025
CF-AHU-001	AHU	Correctional Facility	3000.00	Good	05/01/2034
CH- CHW Pump 1	Pumps	City Hall	5400.00	Fair	01/15/2022
CH- HW Pump 1	Pumps	City Hall	5400.00	Good	01/05/2022
CH- Outdoor Chiller	Chiller	City Hall	22000.00	Excellent	09/15/2029
CH-AHU-001	AHU	City Hall	15000.00	Excellent	01/01/2037
CH-AHU-002	AHU	City Hall			
COR-Fridge-001	Appliance	Correctional Facility			
COU-AHU-001	AHU	Courthouse			
COU-AHU-002	AHU	Courthouse			
FS1- AHU	AHU	Fire Station 1			

ORGANIZE ASSETS BY FACILITY / LOCATION

CAPTURE ASSET CONDITION FOR CAPITAL FORECASTING

Facilities – PM List

Asset Essentials | PM/PDM

Save Save & View Cancel Jump To Go To Help Profile

SCHEDULE

PM Schedule:

Daily Day 1 of every 1 month(s)
 Weekly The First Weekday of every 3 month(s)
 Monthly Yearly

Start: 12/11/2018 End: No end date
 Season starts: January / 1 End after: 0 occurrences
 Don't create WO unless all the prior ones from the following PPMs have been completed. 06/24/2019

ASSETS *

Include associated Asset

Select Asset

Est Hrs	Name	Asset #	Asset Path	Location	Location Path	Category
0.00	COU-AHU-001			Courthouse	Courthouse	AHU
0.00	CF-AHU-001			Correctional Facility	Correctional Facility	AHU
0.00	CH-AHU-001			City Hall	City Hall	AHU
0.00	CH-AHU-002			City Hall	City Hall	AHU
0.00	COU-AHU-002			Courthouse	Courthouse	AHU
0.00	FS1- AHU			Fire Station 1	Fire Station 1	AHU

Page 1 of 1 (6 Items) Page size: 20

COMPLETE CONTROL OVER SCHEDULING AND FREQUENCY OF PMS

APPLY PM SCHEDULE TO A SINGLE OR MULTIPLE ASSETS

Facilities – PM Details

Asset Essentials | PM/PDM Go To

Save Save & View Cancel Jump To

TASKS/STEPS

Select Task from library Add New Task

Step	Task Type	Asset	Meter Title	Name	Description
1	Inst				De-grease the over lubricate.
2	Inst				Inspect and change air filters as required.
3	Inst				Check conditioh of V-belt(s), adjust tension or replace as required.
4	Inst				Check alignment of V-belt pulleys; tighten set screws.
5	Inst				Inspect wiring and electrical controls for loose connections; charred, broken, or wet insulation; evidence of short-circuiting; wrong size fuses; other electrical
6	Inst				Check motor for excessive heat and vibration.
7	Inst				Check dampers for proper operation and lubricate as required.
8	Inst				Inspect for rust and corrosion. Remove rust and corrosion and apply paint where applicable.

DETAILED TASK LIST FOR EVERY PM THAT IS GENERATED



Facilities – Inventory Control

Asset Essentials | PARTS

+ New Delete More ... Print/Report Columns View Facility Inventory - Default

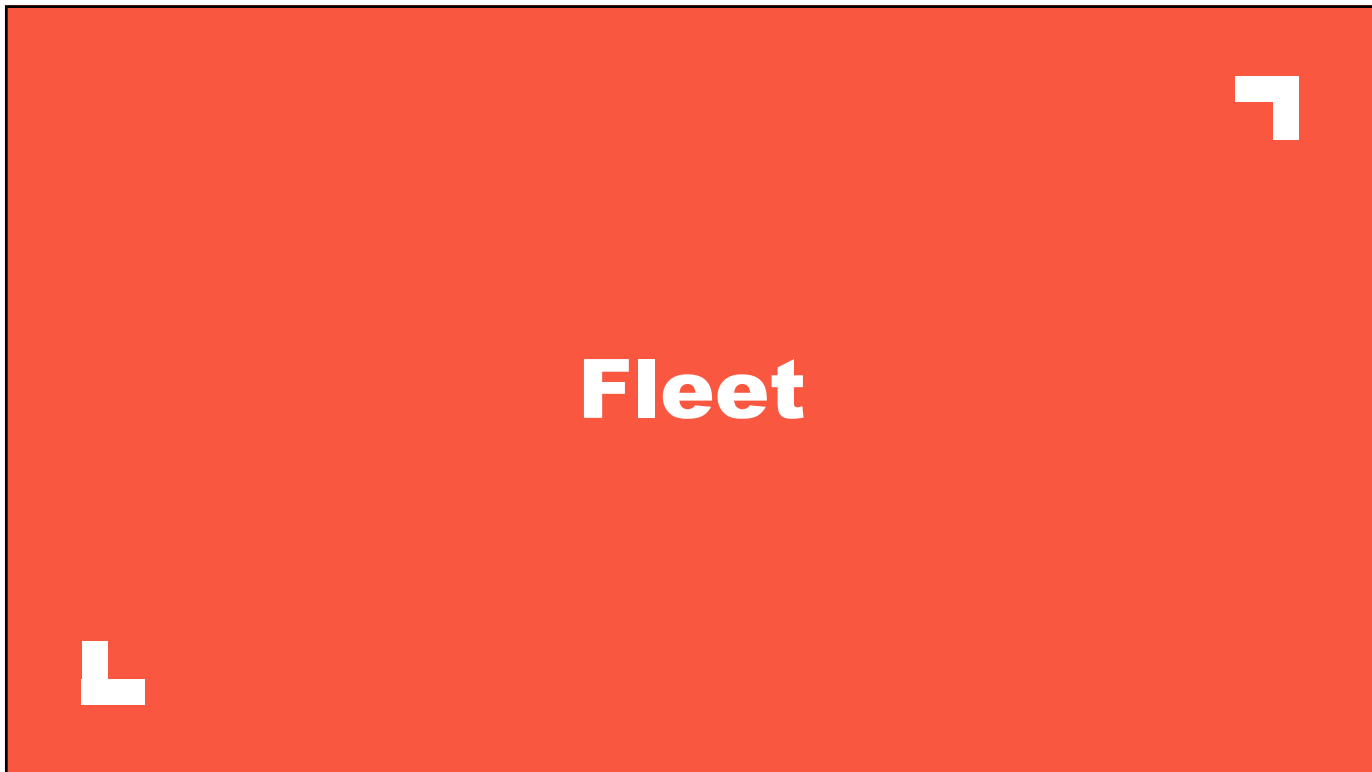
Location	Category	Part #	Name	Qty Available	Price \$	Supplier
Facilities	[All]	11CB77	Air Filter 20x24x1	77.00	13.300	Grainger
City Hall		11CB78	Air Filter 20x25x2	49.00	13.300	Grainger
Correctional Facility		11CB79	Black chair with Metal frame	45.00	129.950	Grainger
Courthouse		11CB80	Brown Chair with Wood Frame	56.00	119.950	Grainger
Facilities-Parts Storage		11CB81	Clorox Bleach 5 Gal.	20.00	1.800	MSC Indus
Fire Station 1		11CB84	Fluorescent Tube 36"	10.00	4.300	MSC Indus
Fire Station 2		HVAC-6354	HVAC-Belt-6354	9.00	15.000	Grainger
Police Department		11CB92	Temperature Sensor-12T38	15.00	115.620	Grainger
		11CB93	Thermostat	4.00	49.350	Grainger

Page 1 of 1 (9 items)

TRACK SUPPLY LEVELS, PRICE INFORMATION, AND SUPPLIER.

SET HIGH / LOW LEVELS TO BE REMINDED WHEN IT IS TIME TO RE-ORDER PARTS





Fleet

Fleet – Vehicle List

Asset Essentials | ASSETS

+ New Delete More ... Print/Report Columns View Fleet

Location	Category	Name	Category	Make	Model	Assigned To	Location	VIN
Fleet		FD-Ambulance-002	Truck	AEV	Traumahawk Type III	Luke Anderson	Fire Department	895U16J1KRXN128AO
[All]		FD-Pumper-001	Engine	Seagrave	Marauder	Rachel Harrison	Fire Department	QWYEFYCNFFR1ZTOH2
Fire Department		FD-Truck-003	Truck	Chevrolet	Tahoe	Chad Hines	Fire Department	356U4X77KXOU6FGAT
Fleet-Parts Storage		PD-Patrol-2100	Car	Dodge	Charger	Rachel Harrison	Police Department	TEB75BLVX3E6V6CK8
Garage		PD-Patrol-2200	Car	Dodge	Charger	Zach Temple	Police Department	O6SM2JIC9JIKW3PZV
Parks and Rec Department		PD-Patrol-2300	Car	Dodge	Charger	Matt Robison	Police Department	ZVHH4NAU016WQONWA
Police Department		PD-Patrol-2400	Car	Dodge	Charger	Grant Miller	Police Department	VNGAY1RQBNC57OOSE
Public Works		PD-Patrol-2500	Car	Dodge	Charger	Amanda Prince	Police Department	MLZR2TH3720O4BMS4
		PW-Truck-100	Truck	Ford	F150	Amanda Prince	Public Works	31FR3H48FXHCIAAMA
		PW-Truck-200	Truck	Ford	F150	Chad Hines	Public Works	B27H1JFUTJW3154UW

Page 1 of 1 (10 items)

Fleet – Vehicle Details

Asset Essentials | ASSETS

Save Save & View Cancel Jump To

GENERAL

Asset Name: * FD-Truck-003 Site: Fleet

Asset #: 0000232816 Serial #:

Make: Chevrolet Model: Tahoe

Date of Manufacture: Tag Number:

Barcode: RFID:

Purchase Price: 44000.000 Purchase Date: 04/03/2017

Purchase Invoice #: Expected Life: 8.00

Replacement Cost \$: 48000.000 Salvage Value:

Supplier: Manufacturer:

Location: Fire Department Category: Truck

Latitude: Longitude:

Asset Status: --Select-- Cost Center: --Select--

Parent Asset: Criticality: --Select--

TRACK BASIC DETAILS LIKE MAKE AND MODEL, AS WELL AS ANY CUSTOM DETAILS YOU'D LIKE.



Fleet – PM Setup

Asset Essentials | PM/PDM

Go To

Save Save & View Cancel Jump To

SCHEDULE

PM Schedule:

Daily Day 1 of every 1 month(s)

Weekly The Third Monday of every 1 month(s)

Monthly

Yearly

Start: 02/25/2019 End: No end date

Season starts: January / 1 occurrences

Don't create WO unless all the prior ones from the following PMs have been completed. 06/24/2019

METER TITLES *

Include associated Asset

Select Meter Title:

Est Hrs	Asset	Asset #	Site	Meter Title	Trigger Type	Date of Meter Reading that triggered last WO	Meter Reading that triggered last WO	Min Threshold	Max Thres
0.00	PD-Patrol-2100		Fleet	Odometer	Running Total	02/25/2019 12:35:00 PM	17238.00		

TRIGGER PMS USING BOTH A CALENDAR (EVERY 3 MONTHS) OR THE ODOMETER (EVERY 3,000 MILES)



Fleet – PM Details

Save Save & View Cancel Jump To

TASKS/STEPS

Select Task from library Add New Task

CUSTOM TASK LISTS FOR FLEET PMS

Step	Task Type	Asset	Meter Title	Name	Description
1	Instruction			Change Oil	Change Oil
2	Instruction			Rotate Tires	Rotate Tires
3	Instruction			Check Wiper Blades	Check Wiper Blades
4	Instruction			Check Fluid Levels-Fill as nee	Check Fluid Levels-Fill as needed.



Fleet – Inventory Control

Asset Essentials | PARTS

+ New Delete More ... Print/Report

Location Category

Site: Fleet

<input type="checkbox"/>	Part #	Name	Qty Available	Price \$	Supplier
<input type="checkbox"/>	VH-30-MTROIL	SW-30 Motor Oil	176.00	5.5833	Grainger
<input type="checkbox"/>	AF-FLT-CA-192	AIR FILTER FRAM CA-192	15.00	16.500	Grainger
<input type="checkbox"/>	FL-FLT-C1191A	FUEL FILTER FRAM C-1191A	4.00	32.750	Grainger
<input type="checkbox"/>	FL-GSCN-2.5G	GAS CAN 2 1/2 GALLON (7225120) JUSTRITE	3.00	25.000	Grainger
<input type="checkbox"/>	HF-FLT-P6871	HYD. FILTER P-6871	5.00	11.450	Grainger
<input type="checkbox"/>	OF-FRM-CH-155PL	OIL FILTER FRAM CH-155PL	8.00	12.550	Grainger
<input type="checkbox"/>	VH-WNWR-L24"	Windsheld Wipers24	14.00	19.990	Grainger
<input type="checkbox"/>	VH-WNWR-L28"	Windsheld Wipers28	12.00	21.990	Grainger

Page 1 of 1 (8 items)

TRACK INVENTORY LEVELS, SUPPLIERS, COSTS, HIGH / LOW LEVELS.

USE LOW LEVEL POINT TO TRIGGER REMINDERS FOR RE-ORDERING



Fleet – Cost Tracking

Fleet Cost Summary:

Date Printed: 02/22/2018

Name	# of WOs	WO \$	Labor Hrs	Labor Cost	Part Cost	Other Cost	Non-inv \$	Avg Hours
PATROL-4101	8	1665.00	23.00	165.00	0.00	0.00	1500.00	2.88
PATROL-4457	5	295.00	4.00	35.00	0.00	0.00	260.00	0.80
TRUCK- 12		0.00	0.00	0.00	0.00	0.00	0.00	0.00
TRUCK-875	8	188.25	6.00	157.00	31.25	0.00	0.00	0.75
Total/Avg:	21	2148.25	6.00	357.00	31.25	0.00	1760.00	6.29

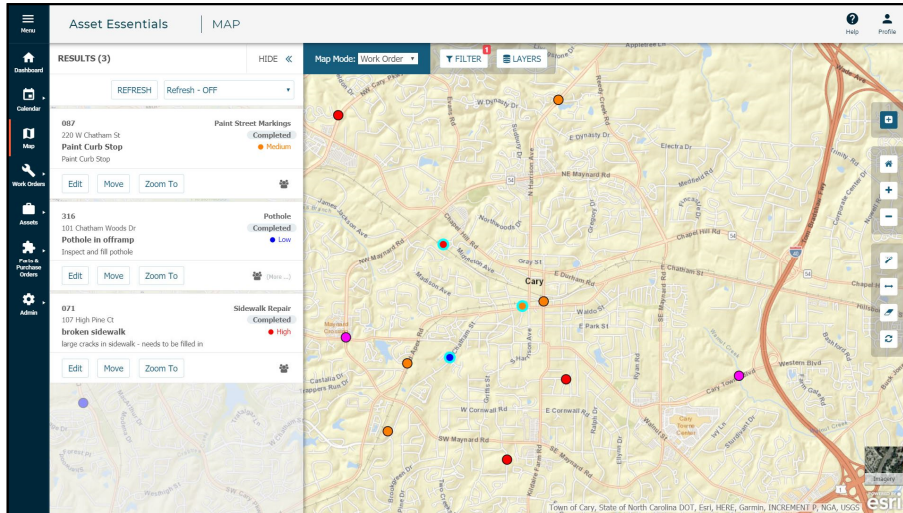
SCHEDULE REPORTS TO RUN AUTOMATICALLY, TRACKING MATERIAL AND LABOR COST ON EACH VEHICLE



Streets



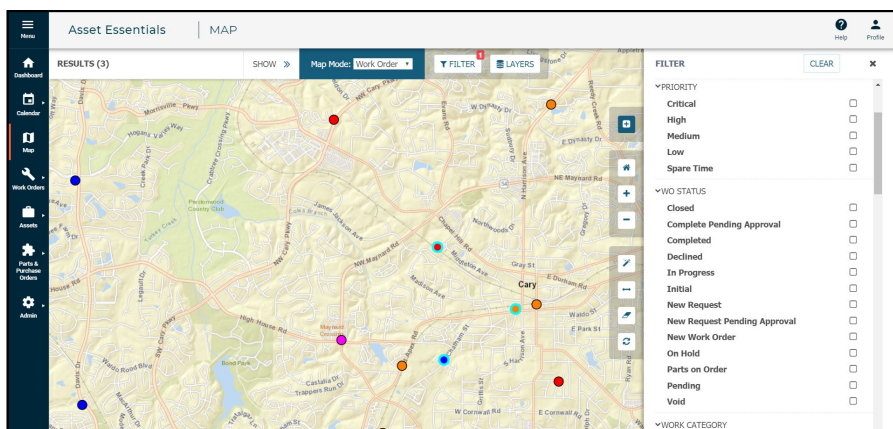
Streets – Map View



MAP TRACKS LOCATIONS OF ALL WORK REQUESTS AND REPAIRS



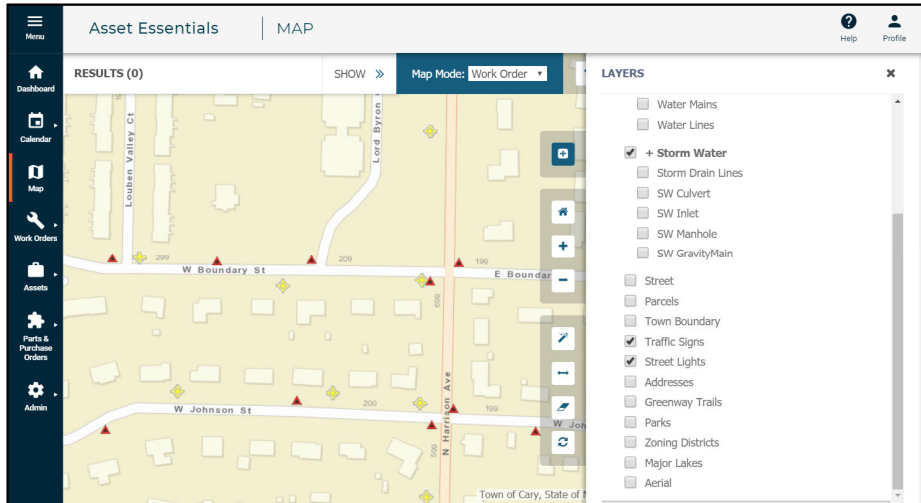
Streets – Map View



FILTER THE MAP BY WORK ORDER STATUS, WORK CATEGORY, DATE, PRIORITY, AND ASSIGNED TO



Streets – Map View



INTERACT WITH GIS LAYERS TO TRACK AND DOCUMENT REPAIRS DONE ON FIELD ASSETS



Streets – List View

Work Order #	Title	Addr #1	Work Category	WO Status	Priority	Assigned	Summary
070	stop sign	NW Maynard Rd	Sign Reinstall- Replacement	Completed	Critical	06/05/2019 05:55:00 PM	Total: 22
319	Paint Markings - post paving ops	McAlpine Cir	Paint Street Markings	New Work Order	High	05/31/2019 03:02:00 PM	Total Cost: 2087.00
069	down trees	Cary Towne Blvd	Brush-Limb Pickup	Completed	Critical	02/11/2019 05:47:00 PM	Avg Cost: 94.86
037	Stop sign down	728 Kingswood Dr	Sign Reinstall- Replacement	Completed	Critical	06/03/2019 10:18:00 AM	Total hours: 86.00
087	Paint Curb Stop	220 W Chatham St	Paint Street Markings	Completed	Medium	02/25/2019 10:48:00 AM	Avg Hours: 3.91
072	pothole in east bound lane	205 Heidinge Dr	Pothole	Completed	Low	02/11/2019 05:55:00 PM	Supplead
073	light doesn't come on	192 Dowell Dr	Street Light Inspection	Completed	High	02/11/2019 06:06:00 PM	Tech
320	Citizen report pavement cracking	1799 Davis Dr	Pavement Repair	In Progress	Low	06/06/2019 02:34:00 PM	Tech
393	Cattle guard wings	1288 N Harrison Ave	Pavement Repair	In Progress	Medium	06/24/2019 02:22:00 PM	SupLead
344	Speed Limit Sign is Down	1213 Pond St	Sign Inspection	In Progress	High	06/06/2019 02:55:00 PM	Elyane
190	Bridge Inspection	1100 W Chatham St	Bridge Inspection	Completed	Medium	05/22/2019 03:34:00 PM	Rodney
071	broken sidewalk	107 High Pine Ct	Sidewalk Repair	Completed	High	02/11/2019 05:51:00 PM	SupLead

CREATE SPREADSHEET OF ALL WORK ORDERS FOR QUICK SEARCHING AND REPORTING



Parks

Parks – Work Order List

Asset Essentials | WORK ORDERS

Refresh - OFF Columns View Parks Search Advanced Filters Summary

Location	Category	Work Order #	Source Location	Title	WO Status	Priority	Origin	Assigned To First Name	Assigned	Expected
[All]							[All]			
Friendly Memorial Park		365	Friendly Memorial Park	Park Weekly Grounds Maintenance	Completed	Medium	PM	Tech	06/07/2019 06:03:00 AM	06/10/2019 11:59:00 PM
Playground Friendly Park		295	Playground Friendly Park	Check irrigation to spray pad	Completed	Medium	Non-PM	Chad	05/31/2019 08:00:00 AM	
Friendly Memorial Park		235	Friendly Memorial Park	Park Weekly Grounds Maintenance	Completed	Medium	PM	Tech	05/31/2019 06:03:00 AM	06/03/2019 11:59:00 PM
Field 2 Memorial		306	Field 2 Memorial	Prep fields for upcoming soccer tournament	New Request	High	Non-PM			
Friendly Memorial Park		206	Friendly Memorial Park	Park Weekly Grounds Maintenance	Completed	Medium	PM	Tech	05/24/2019 06:03:00 AM	05/27/2019 11:59:00 PM
Field 1 Memorial		305	Field 1 Memorial	Prep fields for upcoming soccer tournament	New Request	High	Non-PM			
Playground Friendly Park		304	Playground Friendly Park	Trash all over parking lot	New Request		Non-PM			
Friendly Memorial Park		185	Friendly Memorial Park	Park Weekly Grounds Maintenance	Completed	Medium	PM	Tech	05/17/2019 06:03:00 AM	05/20/2019 11:59:00 PM
Friendly Memorial Park		178	Friendly Memorial Park	Park Weekly Grounds Maintenance	Completed	Medium	PM	Tech	05/10/2019 06:04:00 AM	05/13/2019 11:59:00 PM
Friendly Memorial Park		174	Friendly Memorial Park	Park Weekly Grounds Maintenance	Completed	Medium	PM	Tech	05/03/2019 06:03:00 AM	05/06/2019 11:59:00 PM
Friendly Memorial Park		154	Friendly Memorial Park	Park Weekly Grounds Maintenance	New Work Order	Medium	PM	Tech	04/26/2019 06:04:00 AM	04/29/2019 11:59:00 PM

TRACK WORK ORDERS BY LOCATION, STATUS, DATE, ETC.

Parks – Asset List

Asset Essentials | ASSETS

+ New Delete More ... Print/Report Columns View Parks

Location Category

Site: Parks & Rec

[All]

- Dude Central Park
- Friendly Memorial Park
- Parks & Rec-Parts Storage
- Recreation Center

Name	Category	Location	Make	Model	Serial #
DCP-Mower-001	Riding Mower	Dude Central Park	John Deere	636M	D5VPGKXJ
DCP-Tractor-001	Tractor	Dude Central Park	John Deere	1550	BBJ9544NC
Playground Friendly Park	Parks	Playground Friendly Park	Bliss Products		
REC-Fitness-001	Fitness	Recreation Center	Life Fitness	Elliptical Cross-Trainer	J9YFRJ8MR
REC-Fitness-002	Fitness	Recreation Center	Life Fitness	Elliptical Cross-Trainer	BT7ET8Y54
REC-Table-001	Furniture	Recreation Center	Realspace	Folding Table, 6'	

Page 1 of 1 (6 items)

ORGANIZE ASSETS BY PARK / LOCATION

Parks – PM List

Asset Essentials | PM/PDM

Save Save & View Cancel Jump To

SCHEDULE

PM Schedule:

Daily
 Day 1 of every 1 month(s)
 Weekly
 The Third of every 1 month(s)
 Monthly
 Yearly

Start: 02/28/2019 End: No end date

Season starts: January / 1 occurrences
 End after: 0
 Don't create WO unless all the prior ones from the following PMs have been completed. 07/25/2019

ASSETS *

Include associated Asset

Select Asset

Est Hrs	Name	Asset #	Asset Path	Location	Location Path	Category
0.00	Playground Friendly Park	0000232844		Playground Friendly Park	Friendly Memorial Park > Playground Friendly Park	Parks

Page 1 of 1 (1 items)

COMPLETE CONTROL OVER SCHEDULING AND FREQUENCY OF PMS

APPLY PM SCHEDULE TO A SINGLE OR MULTIPLE LOCATIONS AND ASSETS

WORK REQUESTED

Complete the Playground Inspection form below.

Parks – PM Details

The screenshot shows the 'PM SETUP' interface in Asset Essentials. A callout box states: 'DETAILED TASK LIST FOR EVERY PM THAT IS GENERATED'. The table below lists the tasks:

Step	Task Type	Asset	Meter Title	Name	Description
1	Instruction				Adequate protective surfacing under (equivalent) Add additional material as
2	Instruction				Loose-fill material free of foreign obje
3	Instruction				Loose-fill material loose and un-compacted? (especially in heavy use areas such as under swings and at slide exits) Loosen and add additional material as necessary.
4	Instruction				Swing Sets: Free of sharp points, dangerous corners, or edges? Protective Caps/Plugs in place? Clothing entanglement hazards removed or repaired? (Open S-hooks, protruding bolts, bars, etc.)
5	Instruction				Fencing in undamaged condition?
6	Instruction				Benches in undamaged condition?
7	Instruction				Playground area free of any trip hazards such as exposed footings and anchoring devices, roots, rocks, branches, etc.?
8	Instruction				Playground area free of of miscellaneous debris such as cans, glass, animal waste, etc.?
9	Instruction				Satisfactory drainage, especially in heavy use areas?

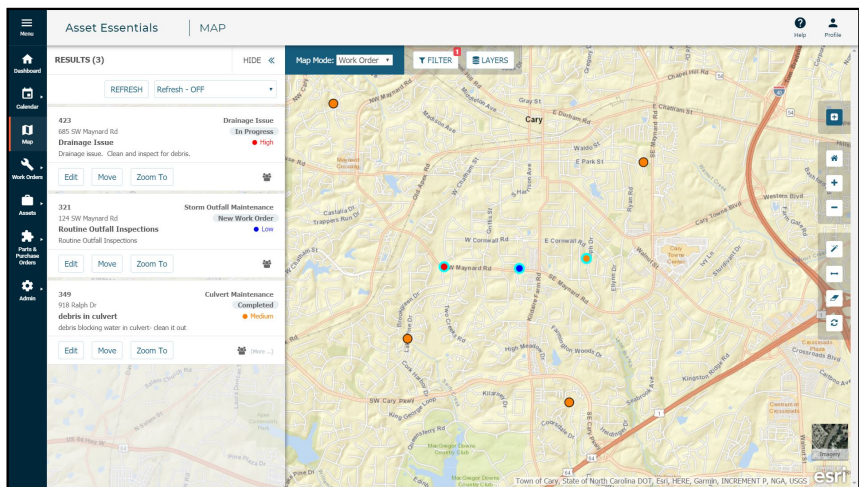
Parks – Inventory Control

The screenshot shows the 'PARTS' interface in Asset Essentials. A callout box states: 'TRACK SUPPLY LEVELS, PRICE INFORMATION, AND SUPPLIER.' Another callout box states: 'SET HIGH / LOW LEVELS TO BE REMINDED WHEN IT IS TIME TO RE-ORDER PARTS'. The table below shows the inventory items:

Name	Part #	Qty Available	Supplier	Location	Barcode
50LB Gravel Bag		250.00	Grainger	Parks & Rec-Parts Storage	
50lb Playground Sand		120.00	Grainger	Parks & Rec-Parts Storage	
Bin Rubber Mulch (500Lb)		2.00	Grainger	Parks & Rec-Parts Storage	
Glyphosate Pro 4, 2.5 gallon	PGM4-2.5	5.00	Grainger	Parks & Rec-Parts Storage	PGM4-2
Gypsum-Cal CM Mini Pail, 50lbs bag	PGCM-50	6.00	Grainger	Parks & Rec-Parts Storage	PGCM-50
Mole Repellent	P702731	4.00	Grainger	Parks & Rec-Parts Storage	P70273
Swivel Grease		17.00	John Deere	Parks & Rec-Parts Storage	
Taginator - Graffiti Remover	PGFTMVR	12.00	Grainger	Parks & Rec-Parts Storage	PGFTM
Yellow Twisty Slide 22"		1.00	Grainger	Parks & Rec-Parts Storage	

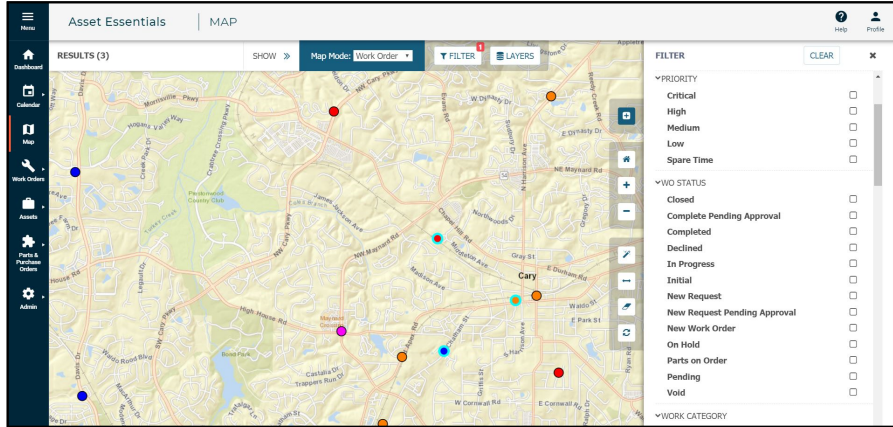
Stormwater

Stormwater – Map View



MAP TRACKS LOCATIONS OF ALL ACTIVITIES AND INSPECTIONS

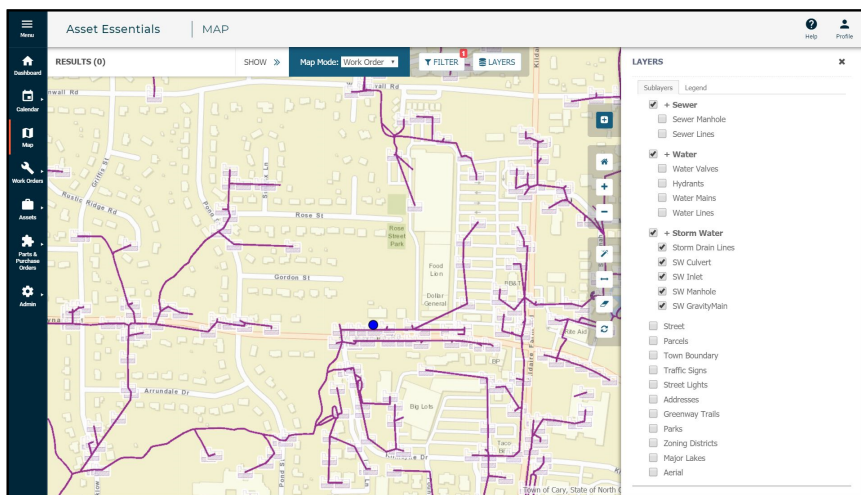
Stormwater – Map View



FILTER THE MAP BY WORK ORDER STATUS, WORK CATEGORY, DATE, PRIORITY, AND ASSIGNED TO



Stormwater – Map View



INTERACT WITH GIS LAYERS TO TRACK AND DOCUMENT REPAIRS DONE ON FIELD ASSETS



Stormwater – List View

Asset Essentials | WORK ORDERS

+ New Delete More ... Print/Report

Refresh - OFF Columns View Storm Search Advanced Filters Summary

Work Order #	Title	Addr #1	Work Category	WO Status	Priority	Origin	Ass		
						[All]			
348	Inlet blocked	113 Foscoe Ln	Drainage Issue	Completed	Medium	Non-PM	06/06/2019 02:23:00 PM	Rodney	
347	Drain inlet blocked	622 Sloan Dr	Drainage Issue	Completed	Medium	Non-PM	06/06/2019 02:09:00 PM	Rodney	
346	drain inlet blocked	105 Ozone Ct	Drainage Issue	Completed	Medium	Non-PM	06/03/2019 03:44:00 PM	Luke	
321	Routine Outfall Inspections	124 SW Maynard Rd	Storm Outfall Maintenance	New Work Order	Low	Non-PM	06/06/2019 02:23:00 PM	Rodney	
318	Culvert Repair	11000 Regency Pkwy	Culvert Maintenance	New Work Order	Medium	Non-PM	06/06/2019 02:23:00 PM	Rodney	
317	blocked catch basin	9000 Regency Parkway	Catch Basin Cleaning	In Progress	High	Non-PM	06/06/2019 02:09:00 PM	Rodney	
351	damage and debris	11099 Halesworth Dr	Culvert Maintenance	Completed	Medium	Non-PM	06/03/2019 03:44:00 PM	Luke	
350	debris blocking culvert	Lake Pine Dr	Catch Basin Maintenance	Completed	Medium	Non-PM	05/28/2019 03:42:00 PM	Luke	
349	debris in culvert	918 Ralph Dr	Culvert Maintenance	Completed	Medium	Non-PM	06/06/2019 03:40:00 PM	Luke	
127	SW Manhole Maintenance	8527 Green Level Church Rd	Storm Manhole Maintenance	New Work Order	Medium	Non-PM	03/25/2019 08:20:00 AM	SupLead	
095	SW Culvert Maintenance	1111 W Chatham St	Culvert Inspection	Completed	Medium	Non-PM	02/28/2019 10:25:00 AM	SupLead	
086	Culvert Inspection	713 NE Maynard Rd	Culvert Inspection	New Work Order	Medium	Non-PM	02/25/2019 09:22:00 AM	SupLead	

Total: 12

Total Cost: 422.00

Avg Cost: 35.17

Total hours: 18.00

Avg Hours: 1.50

CREATE SPREADSHEET OF ALL WORK ORDERS FOR QUICK SEARCHING AND REPORTING

Treatment Plants

Plant – Work Order List

Work Order #	Title	WO Status	Priority	Origin	Source Asset	Source Location	Assigned To First Name	Assigned	Expected
217	Clean tank	In Progress		Non-PM			Sam	05/31/2019 02:00:00 PM	
227	Annual Clarifier PM	In Progress	Medium	PM	Secondary Clarifier	Clarifiers	Chad	05/31/2019 01:00:00 PM	06/29/20
233	Quarterly Grinder Maintenance	Completed		PM	Open Channel Grinder	Headworks	James	05/30/2019 10:25:00 AM	05/31/20
232	Drain clarifier, remove debris	New Work Order	High	Non-PM	Primary Clarifier	Clarifiers	Chad	05/30/2019 10:12:00 AM	06/03/20
231	Annual Clarifier PM	In Progress	Spare Time	Non-PM	Primary Clarifier	Clarifiers	Chad	05/30/2019 10:11:00 AM	06/30/20
224	Sludge Blower PM	In Progress	Spare Time	PM	Blower 1: Sludge	Blower Room	Chad	05/30/2019 08:16:00 AM	06/14/20
225	Sludge Blower PM	In Progress	Spare Time	PM	Blower 2: Sludge	Blower Room	Chad	05/30/2019 08:16:00 AM	06/14/20
203	High Tide Alarm - rain event	In Progress	Critical	Non-PM			Chad	05/22/2019 04:55:00 AM	
215	Backwash pump needs attention	Complete Pending Approval		Non-PM			Luke	05/22/2019 07:03:00 AM	
186	Quarterly Grinder Maintenance	Completed		PM	Open Channel Grinder	Headworks	James	05/20/2019 03:59:00 PM	05/21/20
209	Digester 1	Complete Pending Approval		Non-PM			Luke	05/17/2019 10:16:00 AM	
222	Blower belt inspection	Completed	Medium	Non-PM	Blower 1: Post Aeration	Blower Room	Rodney	05/16/2019 12:41:00 PM	
208	Digester 2	Completed		Non-PM			Sam	05/10/2019 09:14:00 AM	
220	Raw Pump 1 - Seal leak	Completed	Medium	Non-PM		Hawthorne Pump Station	Luke	05/09/2019 12:00:00 PM	
218	Skimmer Pump - hose	Completed		Non-PM			Rodney	05/09/2019 06:56:00 AM	

TRACK WORK ORDERS BY LOCATION, STATUS, DATE, ETC.

Plant – Asset List

Name	Category	Make	Location	Current Condition	Est. Replace Date
Backflush Valve	Valve	Rotork	Hawthorne Pump Station	Good	07/12/2023
Blower 1 Motor: Sludge	Motor	Kaeser	Blower Room	Excellent	01/17/2032
Blower 1: Post Aeration	Blower	Kaeser	Blower Room	Fair	10/15/2027
Blower 1: Sludge	Blower	Kaeser	Blower Room	Poor	04/05/2021
Blower 2 Motor: Sludge	Motor	Kaeser	Blower Room	Good	05/16/2028
Blower 2: Post Aeration	Blower	Kaeser	Blower Room	Excellent	07/06/2028
Blower 2: Sludge	Blower	Kaeser	Blower Room	Poor	07/05/2017
Coarse Screen	Screens	Duperon	Headworks	Fair	
Force Main Valve	Valve	Rotork	Hawthorne Pump Station		
Open Channel Grinder	Grinders	Muffin Monster	Headworks		
Primary Clarifier	Clarifier	Monroe Env	Clarifiers		
Secondary Clarifier	Clarifier	Monroe Env	Clarifiers		

ORGANIZE ASSETS BY FACILITY / LOCATION

CAPTURE ASSET CONDITION FOR CAPITAL FORECASTING

Plant – PM List

COMPLETE CONTROL OVER SCHEDULING AND FREQUENCY OF PMS

APPLY PM SCHEDULE TO A SINGLE OR MULTIPLE ASSETS

Est Hrs	Name	Asset #	Asset Path	Location	L
0.00	Primary Clarifier	0000232821		Clarifiers	Clarifiers Clarifier
0.00	Secondary Clarifier	0000232822		Clarifiers	Clarifiers Clarifier



Plant – PM Details

DETAILED TASK LIST FOR EVERY PM THAT IS GENERATED

Step	Task Type	Asset	Meter Title	Name	Desc
1	Instruction			Gear Reducer	
2	Instruction			Grease Upper Pinion Bearing	
3	Instruction			Grease Intermediate Gear	
4	Instruction			Grease Intermediate Pinion Beari	
5	Instruction			Grease Main Gear	
6	Instruction			Grease Main Bearing	
7	Instruction			Oil Torque Box Plunger	
8	Instruction			Visually Inspect Drive	
9	Instruction			Test Torque Box Limit Switches	



Plant – Inventory Control

Asset Essentials | PARTS

+ New Delete More ... Print/Report Columns View WWTP Parts

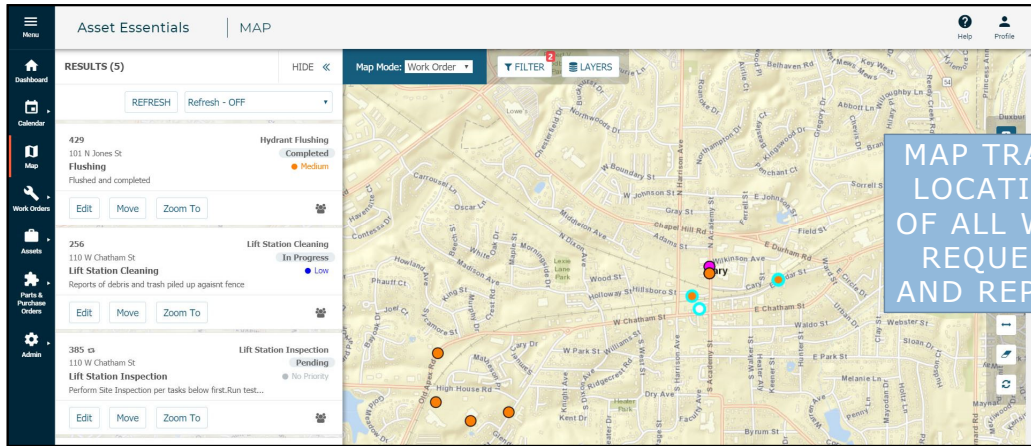
Location	Category	Name	Qty Available	Qty Reserved	Qty on Back Order	
Site: Wastewater Treatment Plant						
[All]						
Blower Room		12 in Check Valve Rebuild Kit	1.00	0.00	0.00	
Clarifiers		2in Gate Valve	15.00	0.00	0.00	
Hawthorne Pump Station		2in SS Ball Valve	14.00	0.00	0.00	
Headworks		8in Check Valve Kit	3.00	0.00	0.00	
WWTP Parts Storage		Air Release Lock Nut	4.00	0.00	0.00	
		Air Release Oil Seal	5.00	0.00	0.00	
		Air Release O-Ring	5.00	0.00	0.00	
		Barnes Pump .5 HP	1.00	0.00	0.00	
		Fuse FLM 6/10	17.00	0.00	0.00	
		Fuse FLM8	22.00	0.00	0.00	
		Needle Valve	1.00	0.00	0.00	City Electric
		Snap Cap Diffuser	56.00	0.00	0.00	Grainger

TRACK SUPPLY LEVELS, PRICE INFORMATION, AND SUPPLIER.

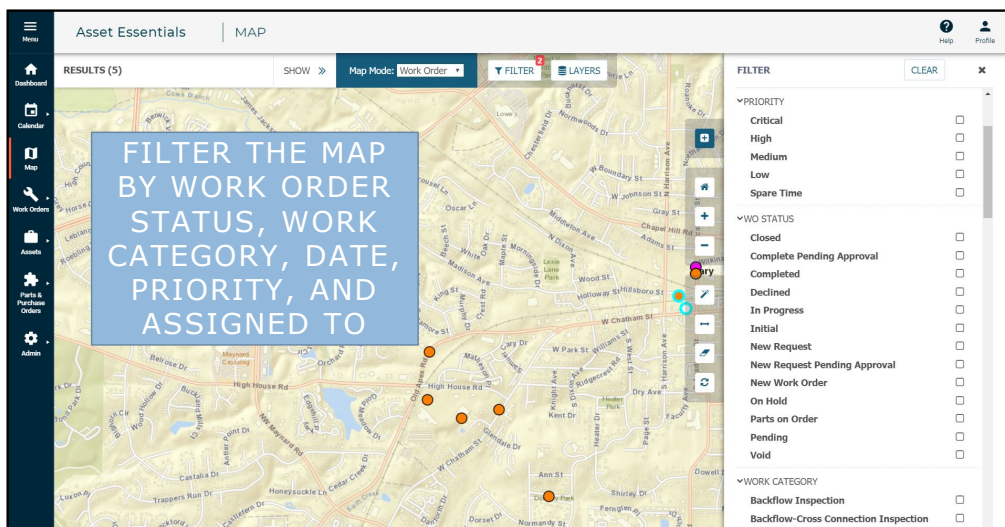
SET HIGH / LOW LEVELS TO BE REMINDED WHEN IT IS TIME TO RE-ORDER PARTS

Utilities

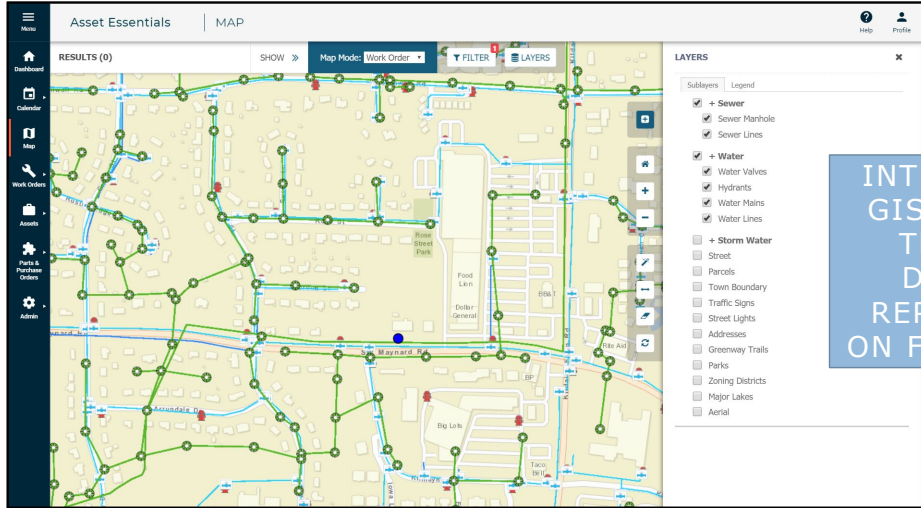
Utilities – Map View



Utilities – Map View



Utilities – Map View



INTERACT WITH GIS LAYERS TO TRACK AND DOCUMENT REPAIRS DONE ON FIELD ASSETS



Utilities – List View

Work Order #	Addr #1	Title	WO Status	Originated	Priority	Assigned To	Assigned
202	Marjorie Dr	Valve Locate	Completed	05/22/2019 04:44:00 PM	Medium	SupLead	
200	814 W Chatham St	Valve Locate	Completed	05/22/2019 04:43:00 PM	Medium	SupLead	
199	737 Old Apex Rd	Valve Locate	Completed	05/22/2019 04:43:00 PM	Medium	SupLead	
084	569 Morrisville Carpenter Rd	Hydrant Maintenance	New Work Order	02/25/2019 08:50:00 AM	High	Tech	02/25/2019 08:50:00 AM
081	505 Elan Hall Rd	locate and repair break	New Work Order	02/21/2019 05:33:00 PM	Critical	Tech	02/21/2019 05:33:00 PM
063	2385 Evans Rd	water leak	New Work Order	02/11/2019 05:24:00 PM	High	Tech	02/11/2019 05:24:00 PM
201	199 High House Rd	Valve Locate	Completed	05/22/2019 04:44:00 PM	Medium	SupLead	
083	166 Gosling Way	collect sample	New Work Order	02/21/2019 05:36:00 PM	Spare Time	Tech	02/21/2019 05:36:00 PM
079	1508 Patterson Grove Rd	Flush hydrant	On Hold	02/21/2019 05:30:00 PM	Low	Tech	02/21/2019 05:30:00 PM
080	1496 White Oak Church Rd	exercise valve	Completed	02/21/2019 05:31:00 PM	Spare Time	Tech	02/21/2019 05:31:00 PM
198	130 Chatham Woods Dr	Valve Locate	New Work Order	05/22/2019 04:40:00 PM	Medium	SupLead	05/22/2019 04:40:00 PM
082	1257 Town Hall Dr	Backflow Inspection	New Work Order	02/21/2019 05:34:00 PM	Spare Time	Tech	02/21/2019 05:34:00 PM
369	1130 Renewal Place Unit 104	Frozen Valve	In Progress	01/18/2019 10:12:00 AM	Medium	James	01/18/2019 10:12:00 AM
090		Hydrant Flushing - Bi-Annually	Completed	09/03/2018 03:50:00 PM	Medium	SupLead	09/03/2018 03:50:00 PM
091		Hydrant Flushing - Bi-Annually	Completed	02/25/2019 03:50:00 PM	Medium	SupLead	02/25/2019 03:50:00 PM

CREATE SPREADSHEET OF ALL WORK ORDERS FOR QUICK SEARCHING AND REPORTING



Requestor

Requestor Page

Save Cancel

SELECT LOCATION

Location: *

SELECT PROBLEM TYPE

Work Category: *

Carpentery	Custodial	Doors-Gates-Hardware	Electrical	Equipment Maintenance	Fire Protection	Grounds	HVAC	Inspection
Mechanical	Painting	Pest Control	Plumbing	Roof	Special Events	Supplies Request	Training	Windows

REQUEST DETAIL

Priority: Medium

Work requested:

/ /

ONLINE
REQUEST
PORTAL FOR
END USERS
TO SUBMIT
REQUESTS

Requestor Page

Menu

Asset Essentials
MY REQUESTS

REQUESTORS CAN TRACK
 UPDATES IN REAL TIME

+ New
Delete ▾
More ... ▾
Print/Report ▾

Columns

	Work Order #	Originated	Title	WO Status	Source Location	Action Taken
<input type="checkbox"/>	<input type="text"/>		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="checkbox"/>	0000003042	06/19/2019 04:13:00 PM	water fountain is leaking	Parts on Order	Library	parts on order to complete repair
<input type="checkbox"/>	0000003038	06/19/2019 09:49:00 AM	Thermostat isn't working	Completed	Admin Office	Replaced the thermostat. Everything is working.
<input type="checkbox"/>	0000002997	06/07/2019 02:23:00 PM	Door sticks when opening closing in my office	Completed	Admin Office	Shimmed door
<input type="checkbox"/>	0000002938	05/23/2019 04:16:00 PM	Air isn't working	Completed	Admin Office	Reset control panel, working now.

Page 1 of 1 (4 items)

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Citizen Portal

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Citizen Portal

The screenshot displays the 'Dude Solutions' Citizen Portal interface. On the left is a navigation menu with options: Menu, Sign In/Register, Code Enforcement, Upcoming City Events, County Government, and Help. The main area features a map of Cary, North Carolina, with a red pin indicating a location. A 'CREATE WORK REQUEST' button is visible at the bottom of the map. To the right of the map is a form with the following fields: 'Work Category' (set to 'Vandalism-Graffiti'), 'Work Requested' (empty), and a camera icon for uploading photos. Below the form are two buttons: 'SUBMIT WORK REQUEST' (in red) and 'CANCEL WORK REQUEST' (in white with a black border). A blue callout box on the right side of the form contains the text 'PUBLIC FACING MAP FOR CITIZEN REQUESTS'. Another blue callout box on the left side of the map contains the text 'INCLUDE LINKS TO OTHER SITES'. At the bottom left of the map area, there is a copyright notice: '© Dude Solutions, Inc. 2019. State of North Carolina DOT, Esri, HERE, Garmin, INCREMENT P, NOAA, USGS'.



Citizen Portal

This screenshot shows the same 'Dude Solutions' Citizen Portal interface as above, but with a confirmation modal box overlaid on the map. The modal box has a dark teal header with the word 'THANKS!' in white. The body of the modal contains the following text: 'Thank you for submitting your request. It's being routed to the appropriate person. For your reference, your work request number is 488. Sign in or register now to monitor its progress from the list or map.' At the bottom of the modal are two buttons: 'SIGN IN/REGISTER' (in red) and 'CLOSE' (in white with a black border). A blue callout box at the bottom center of the map area contains the text 'AUTOMATICALLY UPDATE CITIZENS ON PROGRESS THROUGH EMAIL'. The 'CREATE WORK REQUEST' and 'CANCEL PIN' buttons are visible at the bottom of the map. The same copyright notice is present at the bottom left of the map area.



Connector Tool

Connector Tool

The screenshot shows the Connector Tool interface with the following details:

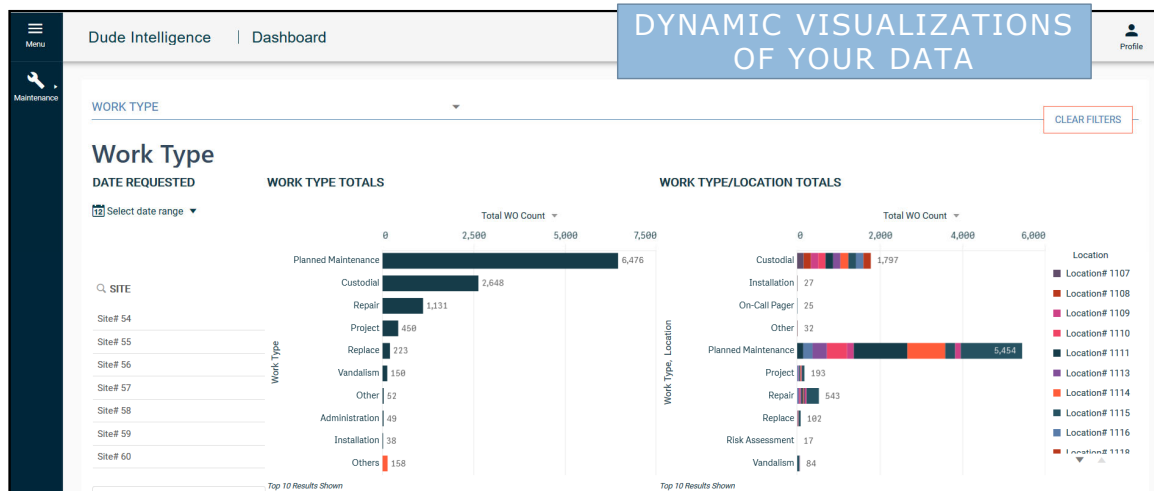
- Source:** <https://assetessentials-demo.dudesolutions.com/DemoGov007>
- Target:** C:\Users\chad.hines\Desktop\export.csv
- Recurring execution:** Start @ 06/26/2019 11:00 AM, Recurring every 1 minutes
- Source table:** Meter Reading
- Target table:** (Empty)
- Mapping Filters:**

Source	Target	Format
AssetName	AssetName	
AssetNo	AssetNo	
DateRead	DateRead	
MeterTitleName	MeterTitleName	
MeterTitleNo	MeterTitleNo	
ValueRead	ValueRead	
- Buttons:** Run, Clear Mapping, Reset

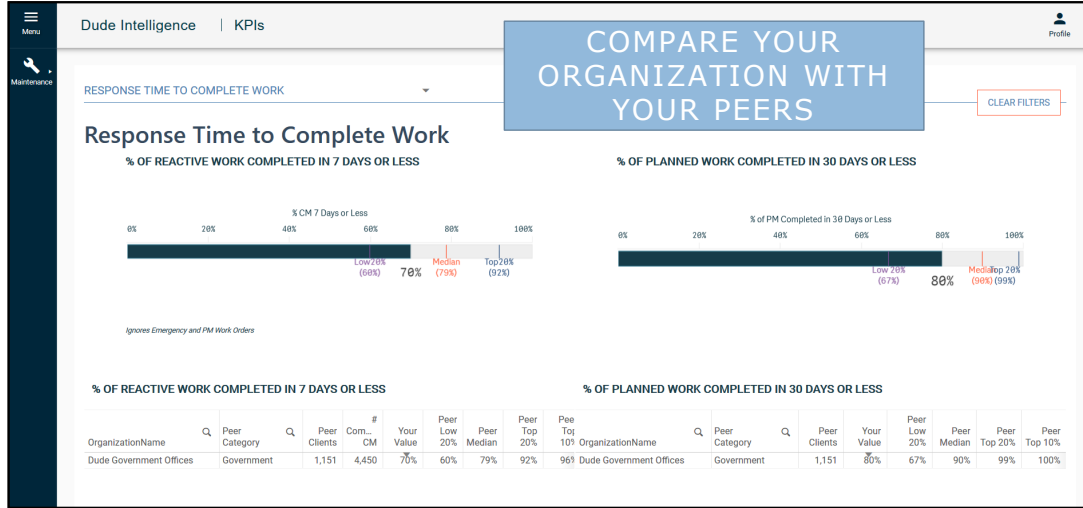
AUTOMATE IMPORTS AND EXPORTS BETWEEN ASSET ESSENTIALS AND OTHER SOFTWARE

Dude Intelligence

Dude Intelligence



Dude Intelligence



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