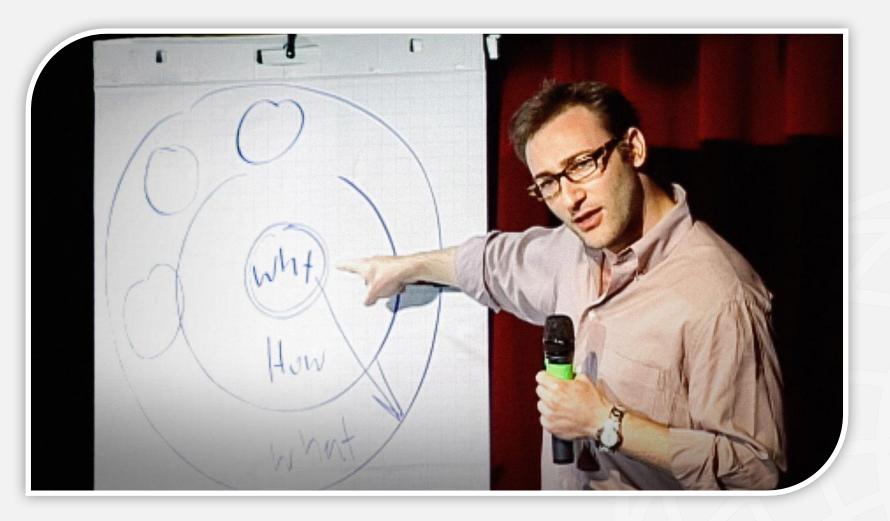


#### Practical Uses of Mobile Data Management and Computerized Maintenance Management Systems

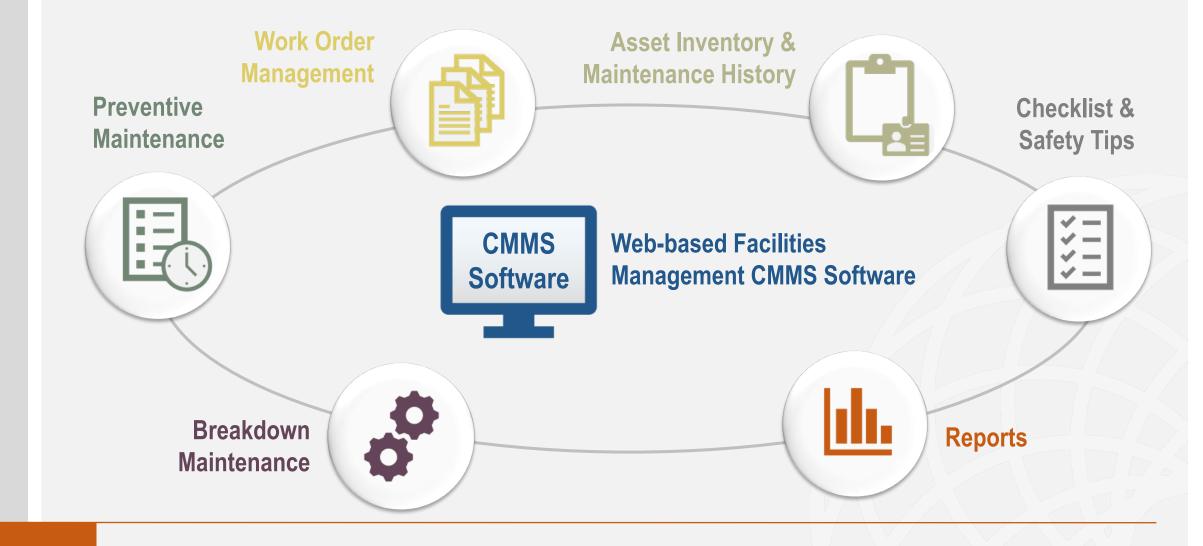






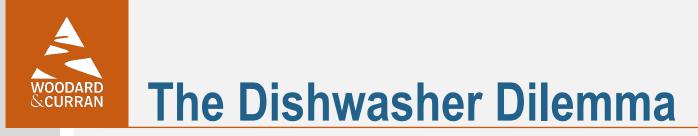


### Mobile Data Management and Computerized Maintenance Management Systems

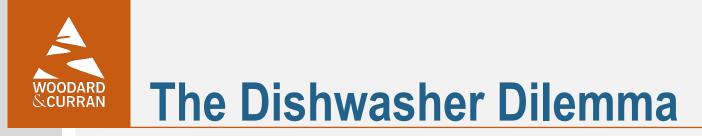


















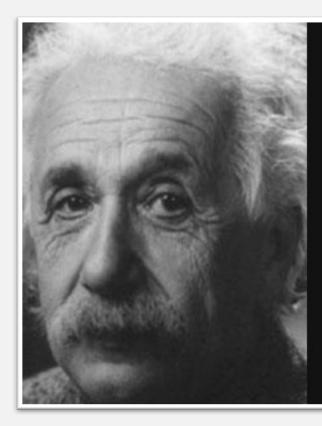






Personnel





Energy cannot be created or destroyed, it can only be changed from one form to another.

— Albert Einstein —

AZQUOTES



#### **Time is Set in Stone**

Seconds Per Hour = 3,600 Hours Per Day = 24

Seconds Per Day = 86,400 Day Per Year = 365

Seconds Per Year = 31,536,000 Seconds Per Hour = 3,600

Hours Per Year = 8,760



## *"Our ability to accomplish a job with a minimum expenditure of time and effort."*



The Holy Grail



- Acquiring Real-Time Data
- Planning in Advance

















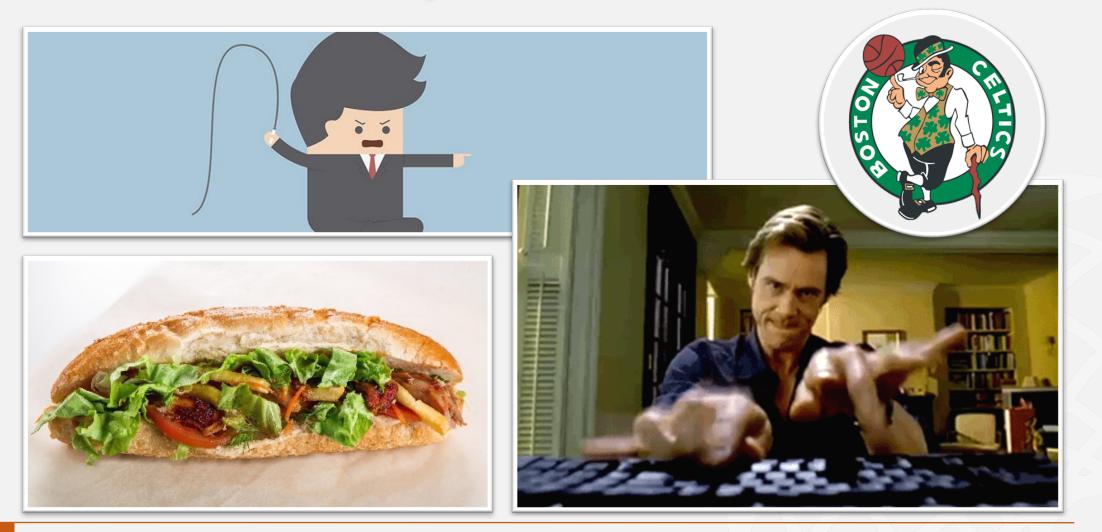








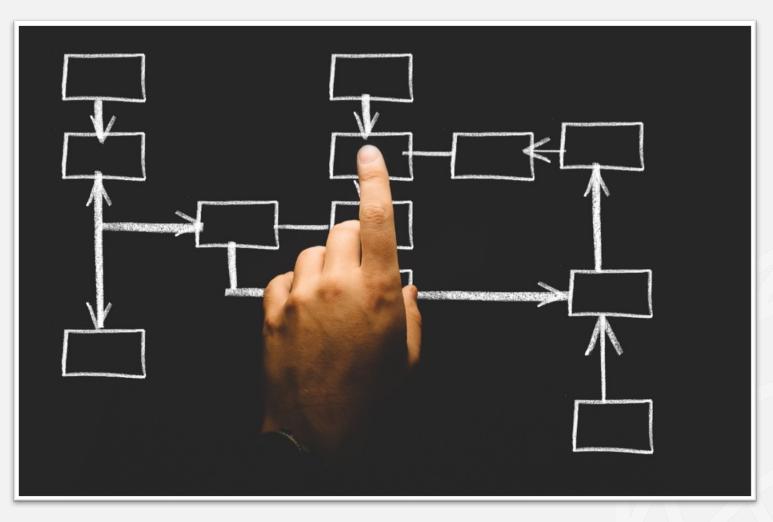




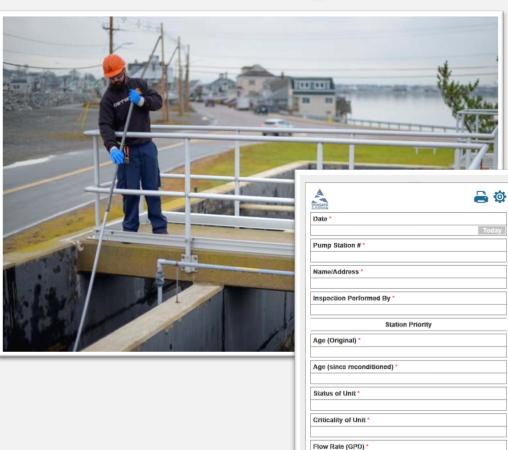












Pump Hours \*







#### **Scenario 2: High Efficiency**

WOODARD		Manhole Inspection Hull Wastewater								
Work Order Information										
Date: 02/19	9/2016	Type:	Inspections	Status: Completed						
Manhole ID: N	MH 20968	Priority:	Normal	Reason: Operational						
Description of Issue										
Description: N	Manhole Inspection									
	nspection and cleaning of nfiltration	f MH, heavy	/ debris of dirt sand and stone	s also broken rim, high						
		Ac	tions Taken							
<u>Staff:</u> E	ric Sutton									
Service: Clean manhole of dirt sand and stones										
			Photos							
Pre-			Phe							
common not	ing slow flow began this many houses use this Mi etted and cleaned may s flow ted in doFORMS.	H until this								













VODDARD		🚔 🕸	l.
Date *			~
Pump Station #*		Today	
Name/Address *			ļ
Inspection Performe	ed By *		
	Station Priority		
Age (Original) *			
Age (since reconditi	oned) *		
Status of Unit *			
Criticality of Unit *			ĺ
Flow Rate (GPD) *			
Pump Hours *			







#### A Better Inspection Report...

W&C Lift station Inspection Woodard & Curran Pump Station Inspection	Google King HI Nd King HI Nd Longtlude : 411.810754 Longtlude : 72.205311 Altitude : 0.0 m Accuracy: 20.0 m		Building Condition         Image: Conditin				
	Client Information Contact John Q Public Address		Two of the 3 VFD's on site. General Building Comments	Lead, Lag and a		Generator onsite. Regular maintenance performed by outside contractor	
	48 Pleasant Ave Mansfield CT Phone Number		All in the building is operational. F	initial start up.			
	(555) 867-5309		Pump Stats				
	Station Grounds Condition		58		35		
	Grounds Condition		47		29		
WOODARD			0.60 0.62 Authorization Signature				
				Yh	1 Q		
02/07/2014	Outside of building in good condition. Grass is mowed short. This portion of grass needs to be to be pumped out soon. Some			1 01	sur		
Time	Driveway leading to Station is clear and free of cracks. www.d and weeded. evidence of very high levels	Email Report					
13:02	General Grounds Comments		Lmkendricks@woodardcurran.com				
Inspector	Overall grounds in good condition. No major safety hazzards and generally look good from the outside.		Evaluation 1				
Landon Kendricks	Station Building Condition						
		J 6					









# 1. Make sure your labor resources match with your desire to implement these systems



Water & Wastewater Operator Membership Card



**First Day of Work Photo** 



2. Make sure labor resources and time are on your side







**3.** Be patient. Take your time. "Rome wasn't built in a day."

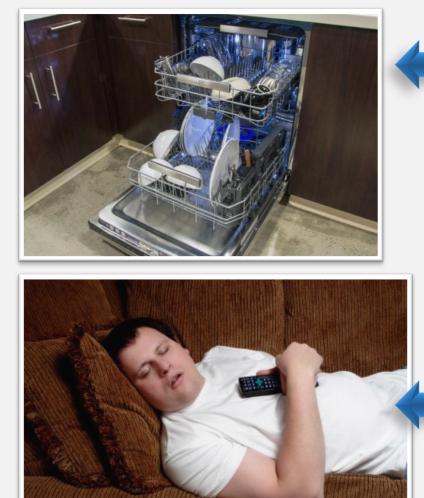












#### While this is running...

#### Actually you...









### **Questions / Discussion**



