

June 5, 2018

Keep Alaska Moving through service and infrastructure

Today's Discussion

- Organizational culture
- Personal experiences/results
- Implementation challenges
- Strategies for success

Technology is Evolving at a Rapid Pace!









Including our Equipment





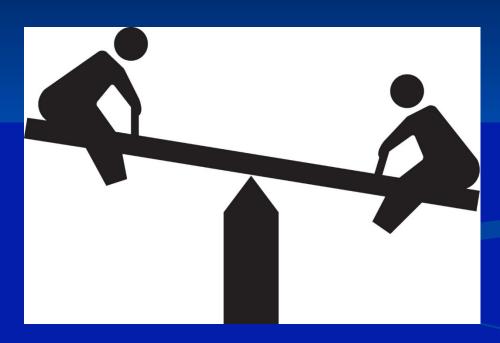




How do we Innovate?

CHANGE
YOU HAVE TO BE
WILLING
TO BE
UNCOMFORTABLE

We are all "Unique"



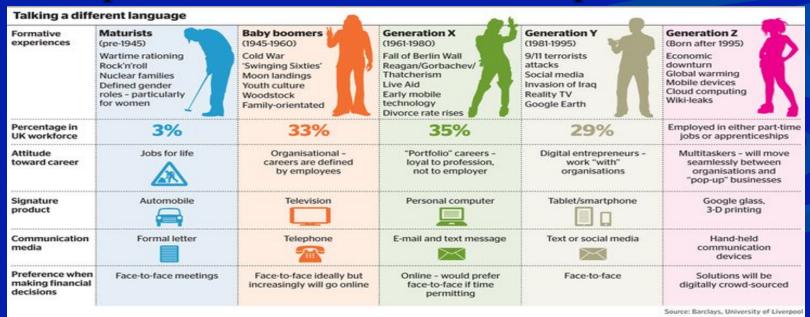
Afraid of Risks/Failure
Lack of Support
Budget Constraints
"Always done it this way"

Your Agency

Continual Improvement Safety Gains Increasing Expectations Not Afraid –Risks/Failure

Workplace Culture

- You are unique
- What is your current culture?
- What environment are you striving for?
- Implementation can be a slow process



Organizations

- We are all somewhat "different"
- Successes and failures
- It took us a long time to get here
- Learned along the way from others
- Had commitment from the "top"
- Culture of continual improvement

We all have "Choices"

John



Pete



Customers Demand We Adapt







Events Demand We Adapt





Employee Resistance

- Lack of awareness of the need for change
- Impact on current job role
- Organizations past performance with change
- Lack of visible support and commitment from managers
- Fear of job loss

Manager Resistance

- Lack of awareness of the need for change
- Loss of control or negative impact on job role
- Increased workload and lack of time
- Culture of change resistance and past failures

"Prosci's 2012 Edition Best Practices in Change Management Benchmarking Report

"Choices - Pete"

- Always done it this way
- Not open to new ideas
- Lives within their borders
- Afraid of failure/risks
- In a "top down" organization



"Choices – John"

- Culture of continual improvement
- Innovative
- Team environment
- Not afraid of risk/failure
- Networking learn from others



"Pete" Experiences

Wing plows – "dumb idea"

Move to straight salt

Anti-icing

 $\overline{\text{AVL}}$

Ice storm management

Budget/ Staffing Challenges

New Equipment Procurement

Training



"John" Experiences

Hiring of staff

Training initiatives

Everyday Lean Ideas program

Team approach – delegation

Tow Plows

Managing of Resources

Providing Input

Ownership



Some Current Trends

- Team-building <u>basics</u> implemented
- Formation of employee committees
- Employee input almost a necessity
- New equipment/practices hard for some to accept
- Technology evolving so rapidly we can't keep pace

"When the pain of what we are going through becomes greater than the fear of change... we change." - Garrison Wynn

We Will Face Challenges









So We Must Innovate







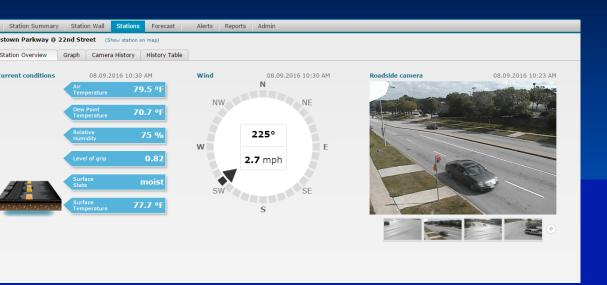


Buy-In/Ownership

- Get employees engaged
- Encourage them to be involved
- Communication is critical
- Think you know it all?
- Make some things "their" idea



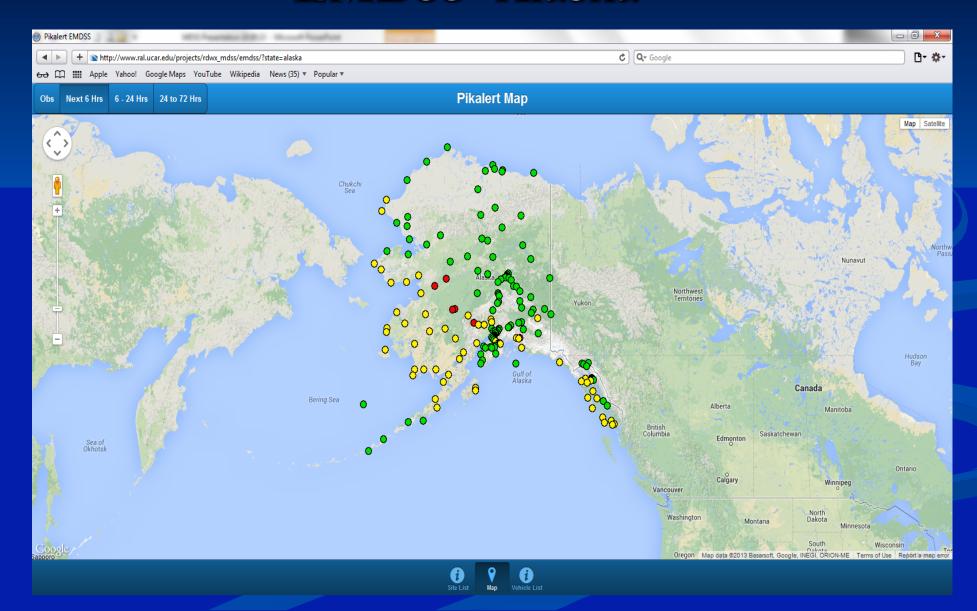
Weather Tools







EMDSS- Alaska



Wait a Minute!

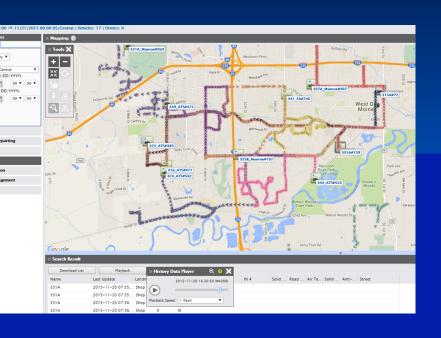
- Too expensive for smaller agencies
- We could have stopped there!
- Worked out a lease program
- What about a regional approach?
- Could have been a "missed opportunity"

Traffic Cameras





NEW GENERATION AVL





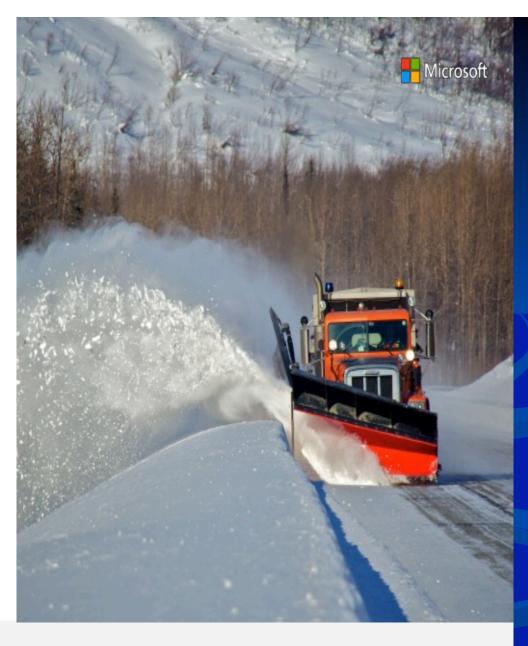






How Alaska outsmarts Mother Nature in the cloud

Alaskans are notoriously resilient people, and they don't want to be sidelined by the weather. To keep Alaska's highways open and safe during severe winter weather, the Alaska Department of Transportation & Public Facilities uses the Fathym WeatherCloud solution and Microsoft Azure IoT technologies to make better, hyper-local decisions about deploying road crews. By using the cloud to make better ground-level decisions, Alaska saves lives and significantly reduces road maintenance costs.





Products and Services

Microsoft Azure Azure Data Lake Store Azure Event Hubs Azure IoT Hub Azure Stream Analytics **Organization Size** 3,100 Employees

IndustryGovernment

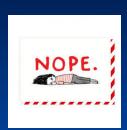
CountryUnited States

Partner Fathym



Is Everything Going To Be Successful?











What Does It Take to Implement? Team Work At All Levels

- Effective communications
- Pilot projects
- Pro-active approach
- Motivate your staff
- TRAINING



Being a "Leader" of the Future

- Empower all levels of your organization
- Allow mistakes without overall failure
- Find ways to reward innovators
- Encourage your staff to get involved
- Small steps will lead to great strides!

Our Approaches

Train/Educate

Analyze/Implement Technology

Provide the Tools

Allow People to Fail



Snowplow Safety in Fairbanks

Fairbanks Maintenance & Operations Superintendent Dan Schacher walks us through the basics of snowplow safety.

Who do you want to be?

"John"

or

"Pete"





Questions?



THANK YOU!

Daniel Schacher

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