



## Data Central

*Unleashing the Power of Your Data*

# Background

- Covanta is the world's largest Energy from Waste solutions provider operating over 44 facilities in the US, Canada and Europe.
- We convert 22 M tons of waste a year into 9 M megawatts hours of power and as a byproduct recycle 600,000 tons of metal.
- Our digital transformation started 4 years ago and we've accomplished much:
  - 90% in the cloud and a portfolio that is 40% SaaS with rest within 12 months of the last version
  - Increasing use of mobile, deploying an SD WAN network and AI based security solutions
- The problem is this has provided only the foundation for transformation.
- We have, and continue to, struggle with other increasing demands.

# Concern #1 - Data



## Single User



- Data resides in multiple flat files
- Data received through manual input
- Data requires several hours to process
- Data quality is inconsistent

## Multiple User



- Data resides in multiple flat files
- Data shared manually within the team without a consistent data feed
- Information derived from data is not easily shared by the team

## Organization



- Multiple sources for the same data
- Lack organized centralized platform for sharing all related data with various business users

# Solution? - Data Central

*One Hub for All Your Data Needs*

## Objective of Data Central:

- Assist business users to capture, analyze and understand the information presented by **their** data.
- Demonstrate how a data driven approach can tackle common business challenges.
- Demonstrate how business analytics can help make better informed data driven decision making in their day to day world.

## 3 Features of the Data Central

### Analytics/SharePoint

- Develop custom analytics and Dashboard
- Develop SharePoint portals for teams
- **Fixed schedule weekly**
- **Supported by Interns**
- **Supervised by Senior Manager**
- **Must reserve a spot**

### Technical Coaching

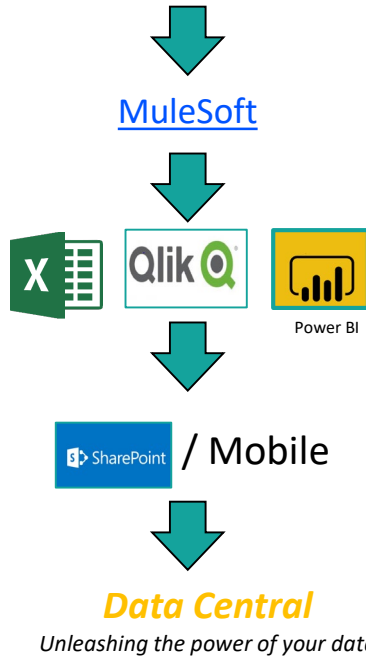
- Coaching for all data related tools: Excel, Power BI, Qlik (View or Sense)
- Modification of analytics/SharePoint
- **Fixed schedule weekly**
- **Supported by Interns**
- **Supervised by Senior Developer and Senior Manager**
- **Must reserve a spot**

### Tools/Skillset Development

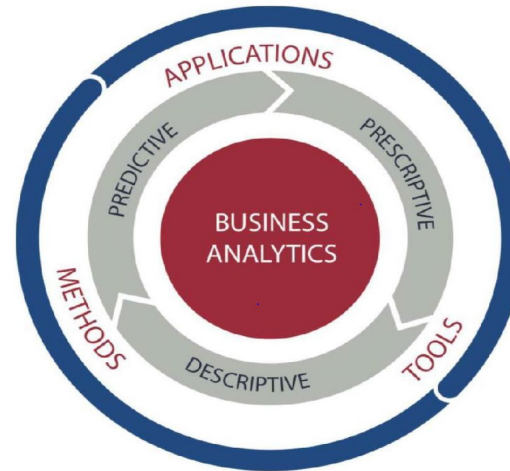
- Instructor led training
- Syllabus and training material will be published 2 weeks prior to session start date.
- **Fixed schedule weekly for Training and Coaching**
- **Walk In**

# Covanta Data Solutions

*Covanta Data Repositories*



- We can leverage these tools to do 3 types of analytics:
  - Descriptive Current status
  - Predictive Forecast future events or direction
  - Prescriptive What if? Scenarios



# The Data Central Team

## Developers (Interns)

- Develop Analytics
- Develop SharePoint

## Database Manager

- Create data feeds for analytics
- Create new database

## Data Scientist

- Create Custom Data Queries
- Conduct specific data mining request.

## Technical Leads

- Resolve specific application issues e.g. excel, Qlik, Power BI
- Individual or small group coaching

## Supervisors:

- Manage Clinic Schedule
- Manage Clinic Resource

## Instructor:

- New Tool/ Material Training
- Internal/External Expertise

## External Consultants:

- Scale to required needs
- Provide no cost training



# What's Next For Data Central?

- Completed a successful pilot at headquarters for Supply Chain which has already saved over \$1 M in external consulting expenditures to date.
- Expansion into Finance, Sales/Marketing and HR.
- Expand beyond tool learning to helping the business understand its data.
- Develop a team of power users to proliferate the mindset.
- Evolving beyond our current enterprise data integration platform to an information ecosystem that's streamlined and integrated.