



What's next.

BHS Family of Companies Overview



CleanLane PPP Overview



RFP Requirements:

- **Divert > 60% of waste from landfill**
- **Reduce methane emissions from landfill – mandated by the County Strategic and Climate Action Plans**
- **Achieve with Commercially Available Technologies – i.e. No Science Projects**

Project Structure:

- Public Private Partnership between BHS ProjectCo and Lane County in a 25 year agreement with two 5-year options
- CleanLane Recycling to purchase equipment and operate the MRF and AD Facility
- Lane County to prepare the site and build the MRF building
- Diverts over 60% of waste from Short Mountain Landfill. Extends landfill by 20 years.

Operations

- Three processing systems in the facility
 - Up to 160k tpa MSW MRF – all waste provided by Lane County
 - 50k tpa Commingled MRF -- The only Commingled facility south of Salem
 - 74k tpa plug flow Anaerobic Digestion system
- RNG Meets the Federal Standard for D3 RINS
 - 170,000 MMBTU of gas
 - 7000 tons per year of Beverage Grade Liquified CO2

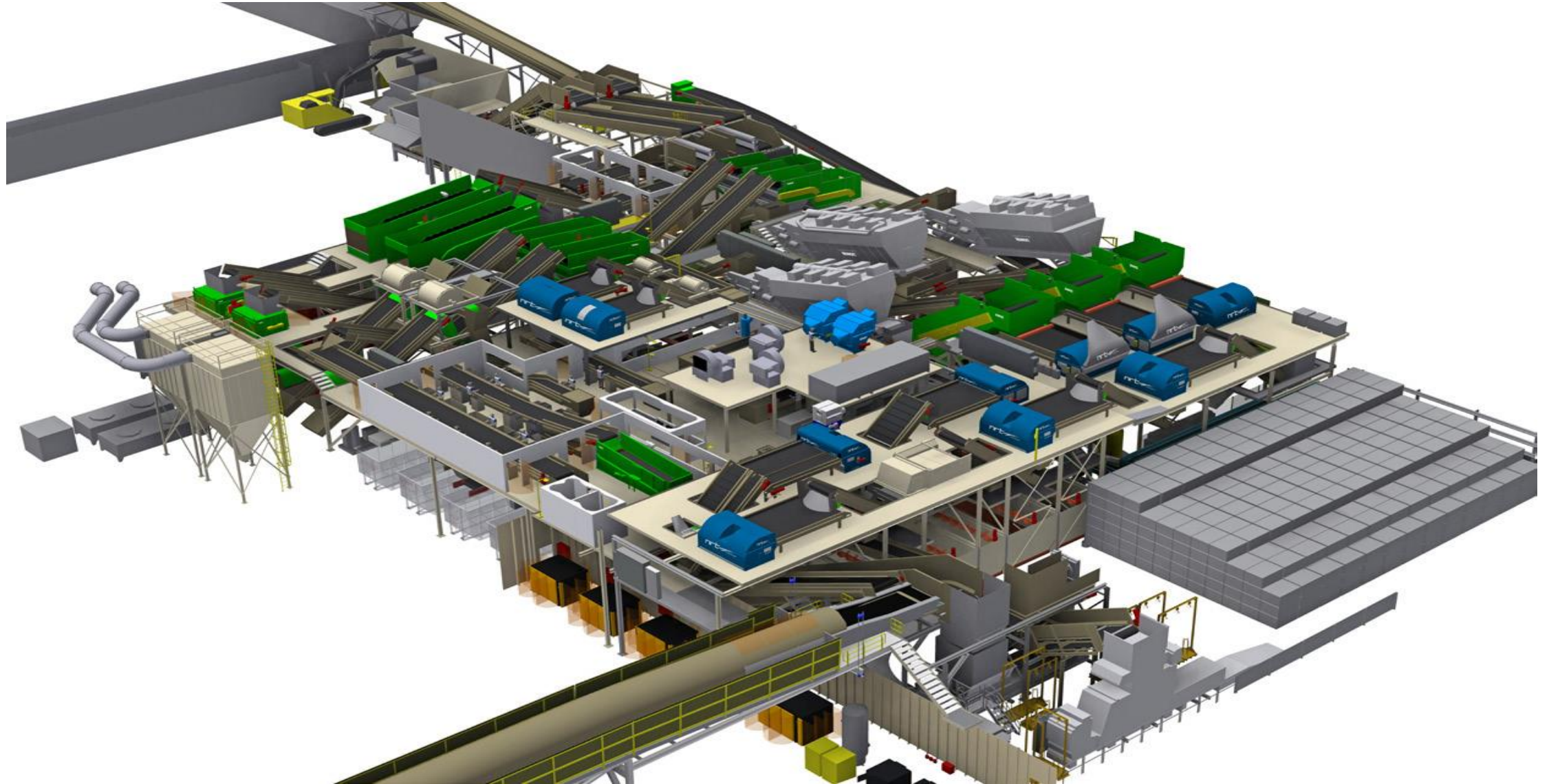
CleanLane PPP Overview – The \$\$\$



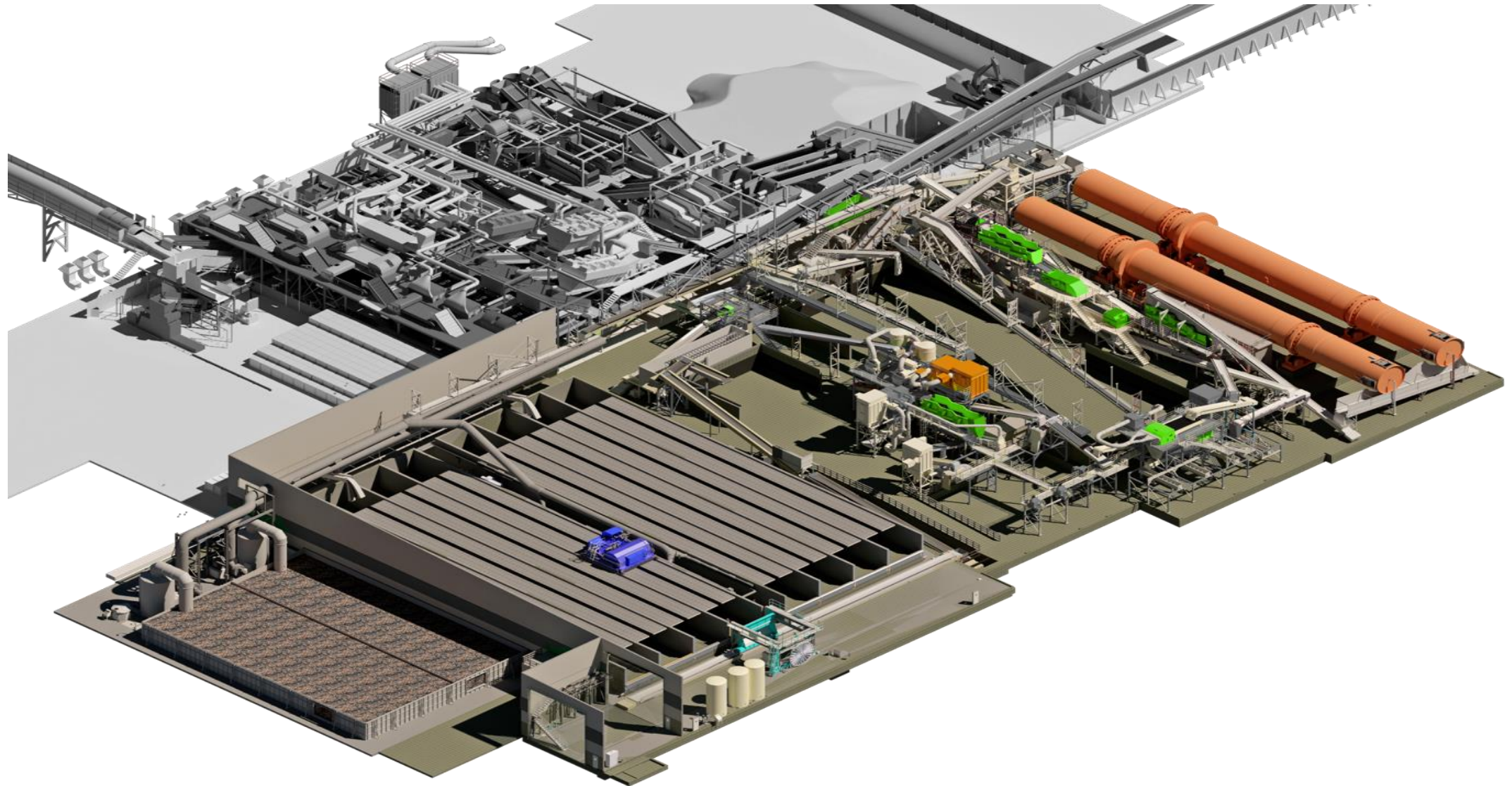
Financial Cost

- \$150m total investment
 - \$35m by the County
 - \$115m by the Project Entity - \$80m in Equipment, \$15m in Digestate processing building
 - \$32m in a tax-exempt private activity bond allocation from the State of Oregon
- Tip Fee increase of 8% each of two years attributed to the Project
 - Average 1.6% for each Residential Customer - \$2.50 per household total over 4 years
 - Average 2.4% for each Commercial Customer
- County benefits from a 20 year added landfill life est. \$300m.

Systems – 100 tph MSW Oakland, CA



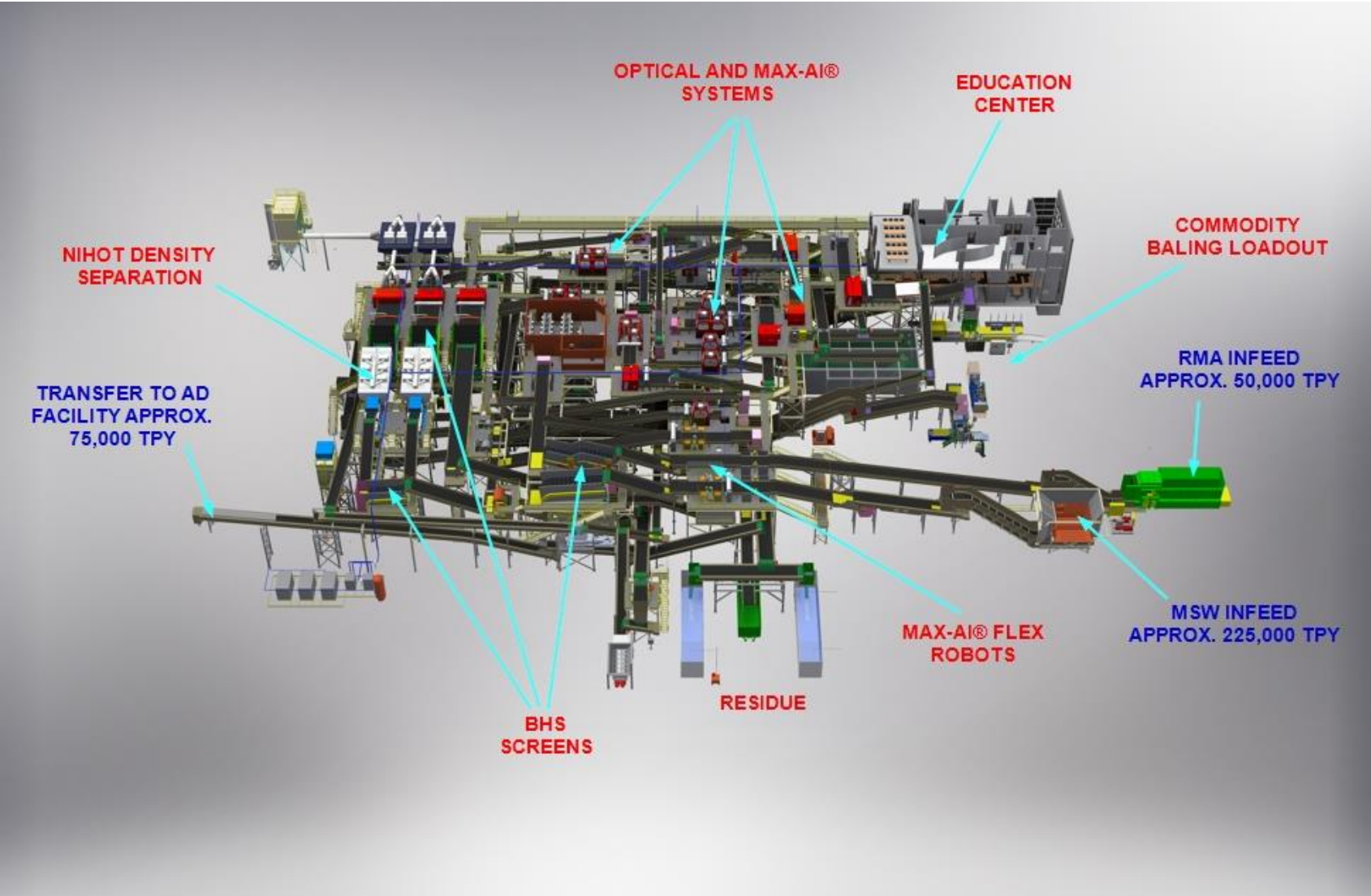
Systems – 90k tpa Compost Oakland, CA



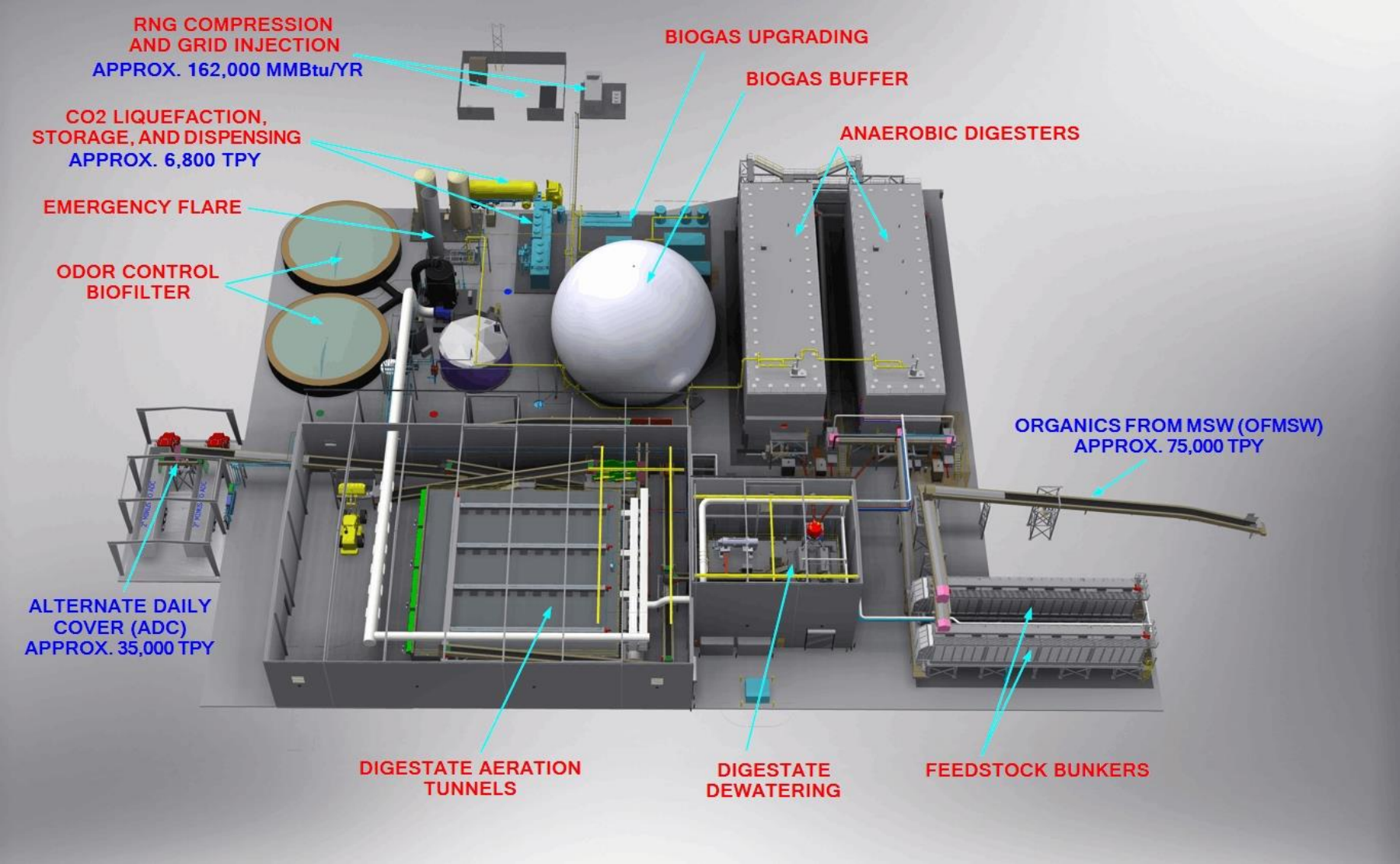
90k tpa Anaerobic Digestion, San Jose, CA



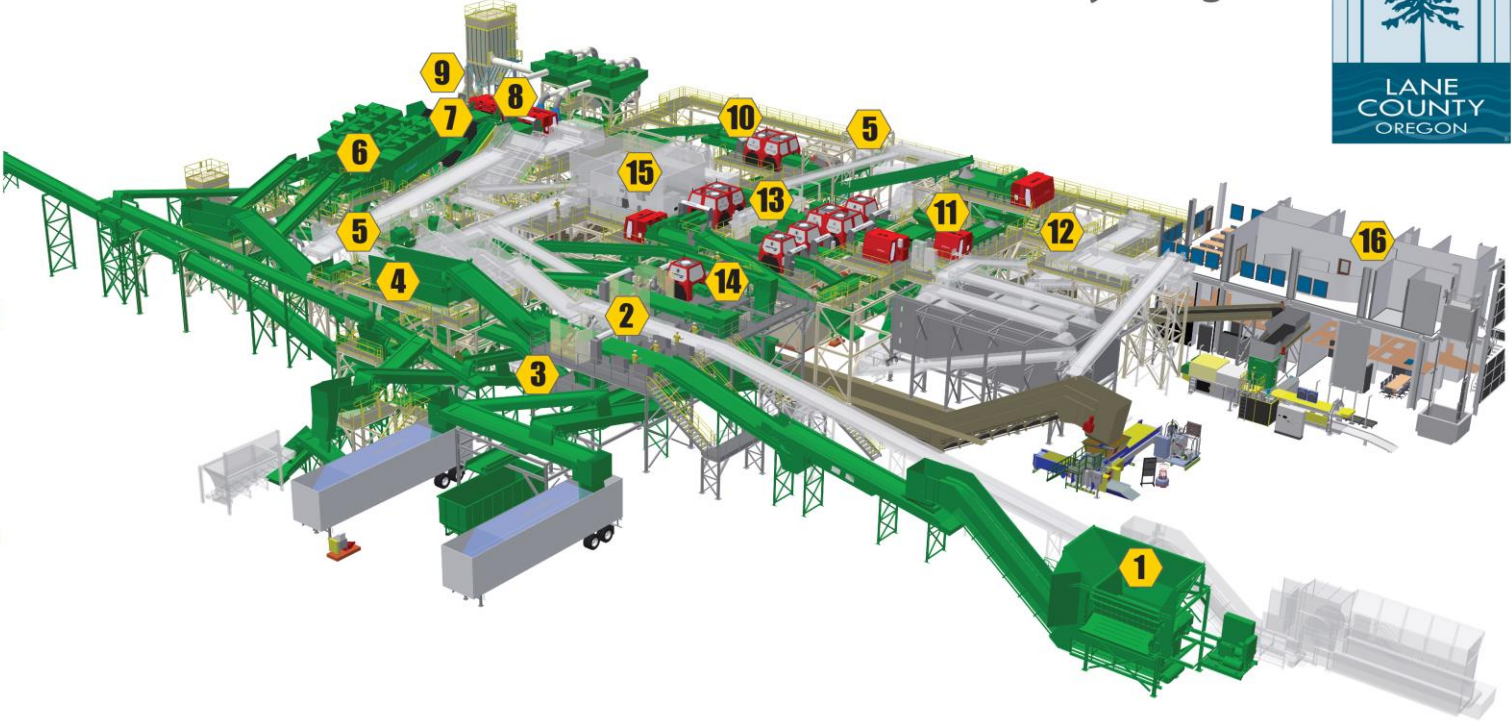
CleanLane – Material Recovery Facility (MRF)



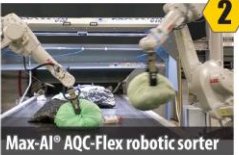
CleanLane – Anaerobic Digestion Processing



Clean Lane Recycling MSW System Lane County, Oregon



Reducer
Sizes material and provides a metered & consistent infeed



Max-AI® AQC-Flex robotic sorter
Pulls bagged material off pre-sort to go to the bag breaker



Bag Breakers®
Open bags without damaging material



Screens
Separates material by size at various points in the system



Magnets
Captures ferrous metals



Nihot Single Drum Separators
Separates heavier material from lighter, high-value recyclables



Polishing Screen
Separates mixed fiber from containers & removes any remaining fines



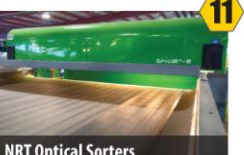
NRT Optical Sorters
Uses near-infrared technology to remove film and plastics



NRT Optical Sorter with Max-AI®
Uses near-infrared technology to recover all fiber materials. This optical recovers fiber to send to the A/D line



Max-AI® AQC robotic sorter
AI-powered robotic sorter removes contaminants from the container pre-sort line



NRT Optical Sorters
Sorts containers by type: HDPE, PET, PP



Eddy Current Separator
Captures aluminum cans



Max-AI® AQC robotic sorters
Removes contaminants from HDPE, PP, PET, aluminum lines and recovers containers from residue line



Max-AI® AQC robotic sorter
Robotic sorter removes containers from 2-6" heavies line



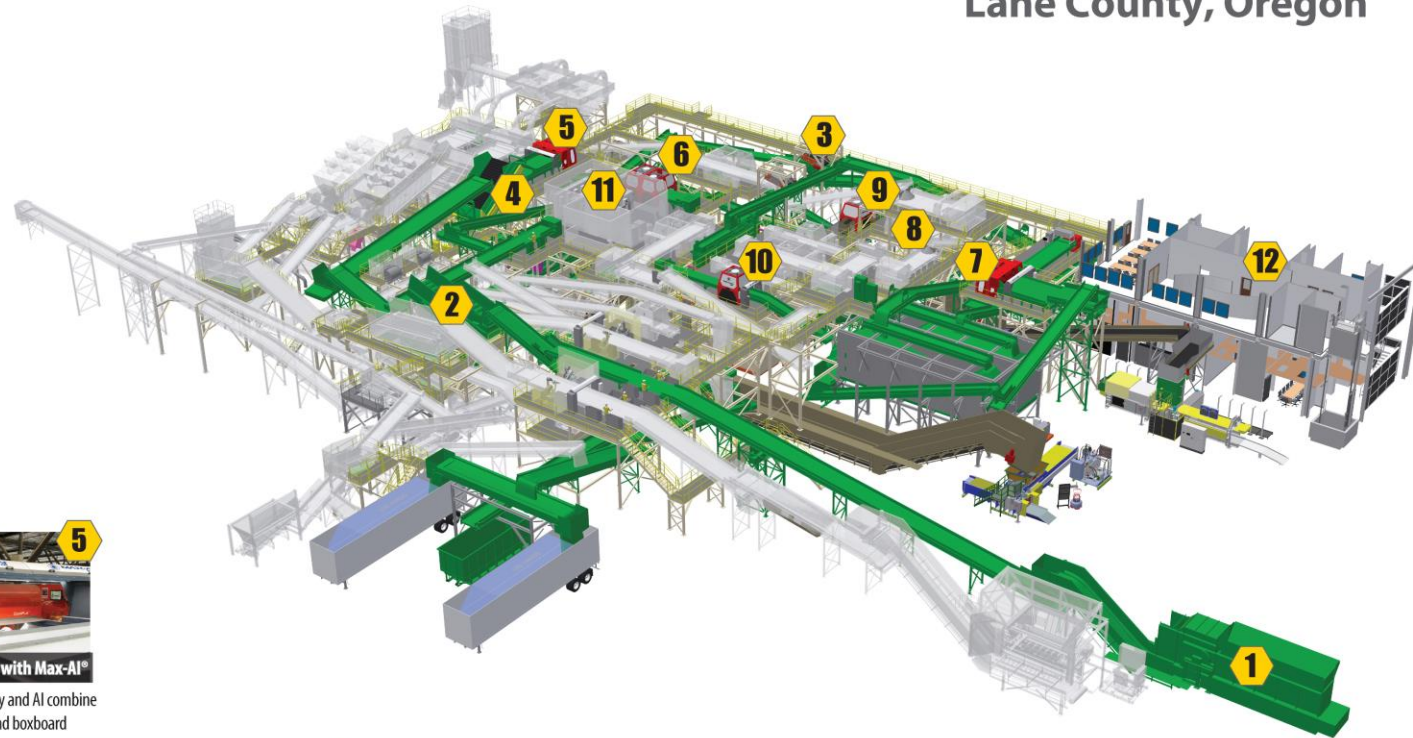
Control Room
Total Intelligence Platform combines system controls with data acquisition for real-time insight & optimization



Education Center
Dedicated visitor information center for public tours

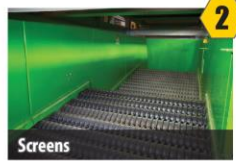


Clean Lane Commingled System Lane County, Oregon



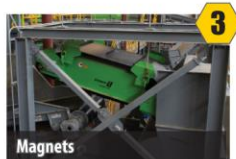
Metering Bin

Provides an even, steady flow of material into the system.



Screens

Separates material by size at various points in the system



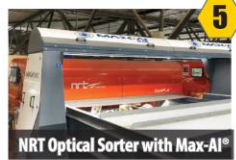
Magnets

Captures ferrous metals such as iron or steel



Polishing Screen

Separates mixed fiber from containers and removes any fines



NRT Optical Sorter with Max-AI®

Color optical technology and AI combine to recover cardboard and boxboard



Max-AI® AQC robotic sorters

AI powered robotic sorter removes contaminants and containers from recovered OCC and box board



NRT Sorter with Max-AI®

Sorts containers by type: HDPE, PET, PP



Eddy Current Separator

Effectively separates aluminum from the waste stream



Max-AI® AQC robotic sorters

Removes contaminants from the HDPE, PP, PET, Aluminum lines and recovers containers from residue line



Max-AI® AQC robotic sorter

Removes scrap aluminum and contaminants from UBC containers



Control Room

Total Intelligence Platform combines system controls with data acquisition for real-time insight & optimization



Education Center

Dedicated visitor information center for public tours



BHS – Material Recovery Facility (MRF)

