

Sustainable Manufacturing

Hunter®

HUNTER INDUSTRIES
Built on Innovation®

December 2019

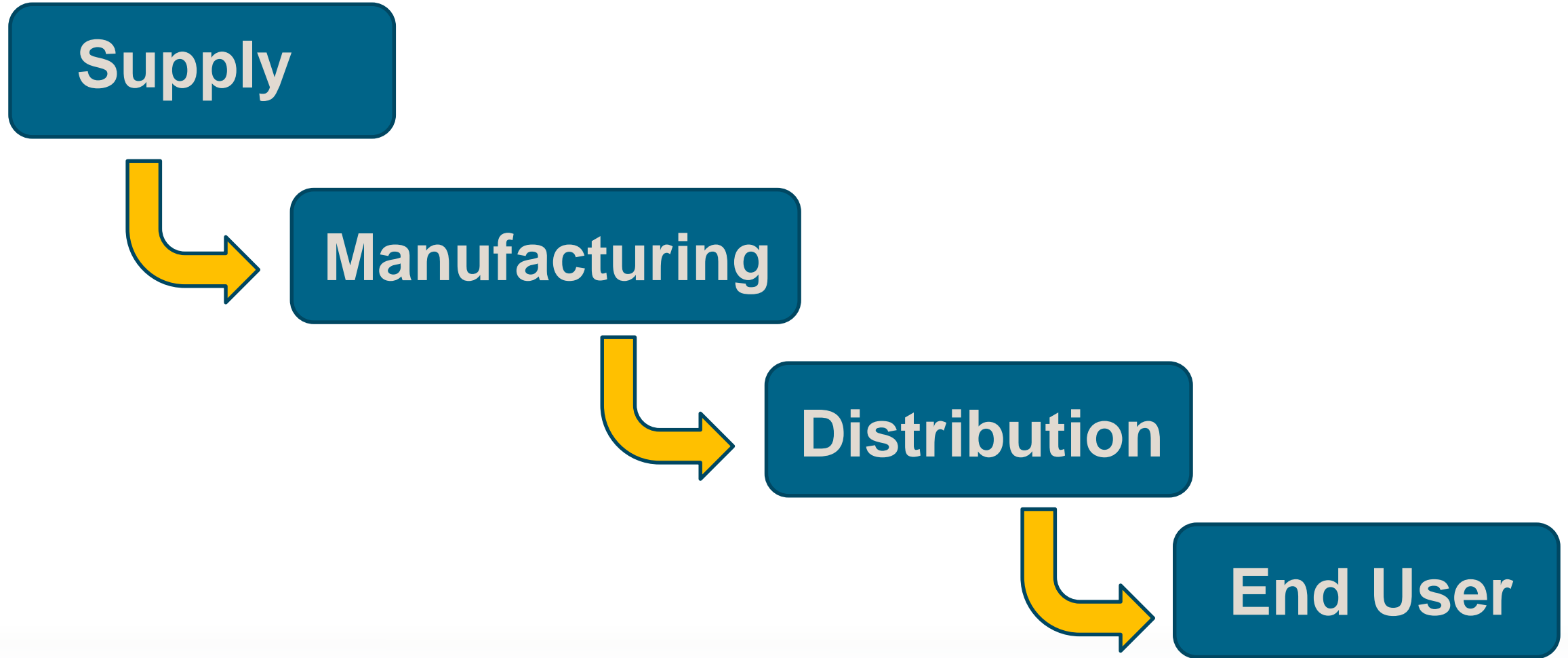




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Value Chain



Manufacturing Overview



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Design and Innovation



The screenshot shows the Hunter Industries Innovation website interface. At the top, the navigation bar includes the Hunter logo, menu items (IDEAS, CHALLENGES, COMMUNITY, NEWS, SUBMIT IDEA, ABOUT), and user options (My account, My points, Log out, Search). A secondary bar displays 'ALL BUSINESS UNITS'. The main content area features a featured idea card for the 'HP-48, the First Paver Light from FX Luminaire', with a 'SEE MORE' button. Below this is a 'Latest and Greatest' section with tabs for 'IDEAS' and 'CHALLENGES'. The 'IDEAS' tab is active, showing a card for 'modulate modulating PWM for more steps or more colours' by George Thaliath, which is 'Under Review' and dated 9/24/2019. The card includes a table with 5 columns and 2 rows of data. On the right sidebar, there is a 'SUBMIT AN IDEA' button, 'Key stats' showing 835 IDEAS, and a table with 3 columns: 'Approved Ideas' (212), 'Products Launched' (76), and 'Contributing Members' (384). Other sidebar elements include 'CEO Innovation Award' information, a 'NOMINATE' button, and 'Highlighted content'.

Approved Ideas	Products Launched	Contributing Members
212	76	384

Author	Status	Date	Views	Comments	Likes
George Thaliath	Under Review	9/24/2019	4	0	0

Design and Innovation: Design Process



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Design and Innovation: Materials



Design and Innovation: Low Impact Design



Design and Innovation: End of Life



Tooling and Manufacturing



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Tooling and Manufacturing: Efficacy



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Tooling and Manufacturing: Efficacy



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Tooling and Manufacturing: Efficacy



Tooling and Manufacturing: Waste



Resources



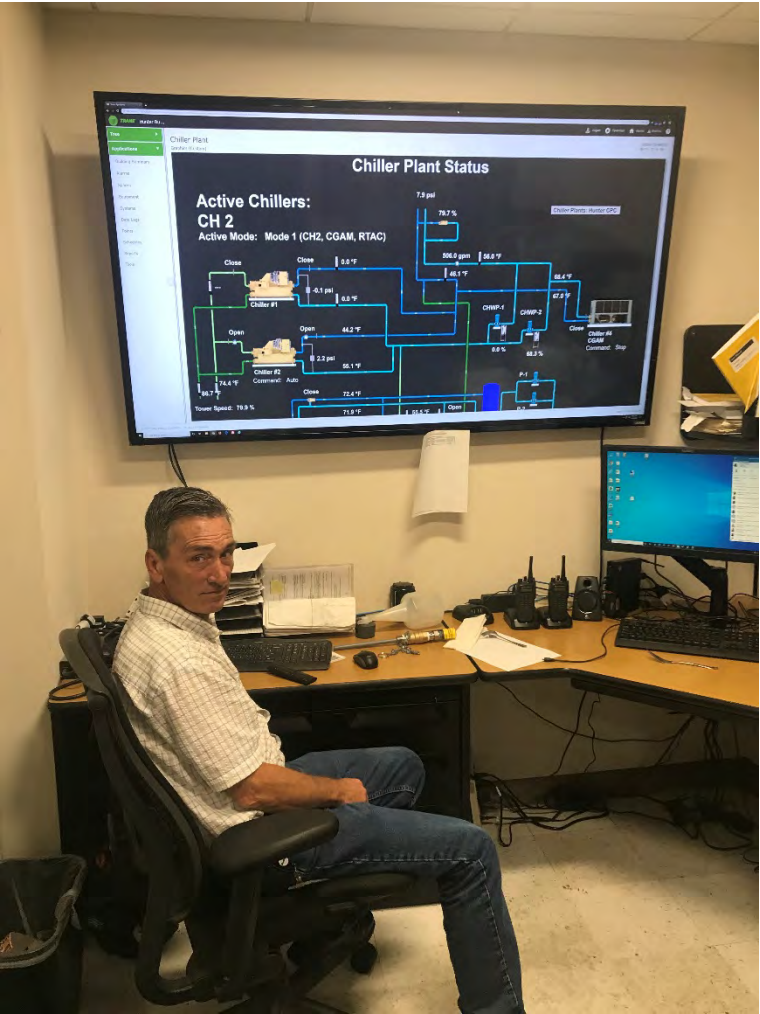
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Resources: Consumption



Resources: Measure and Manage



Resources: Measure and Manage

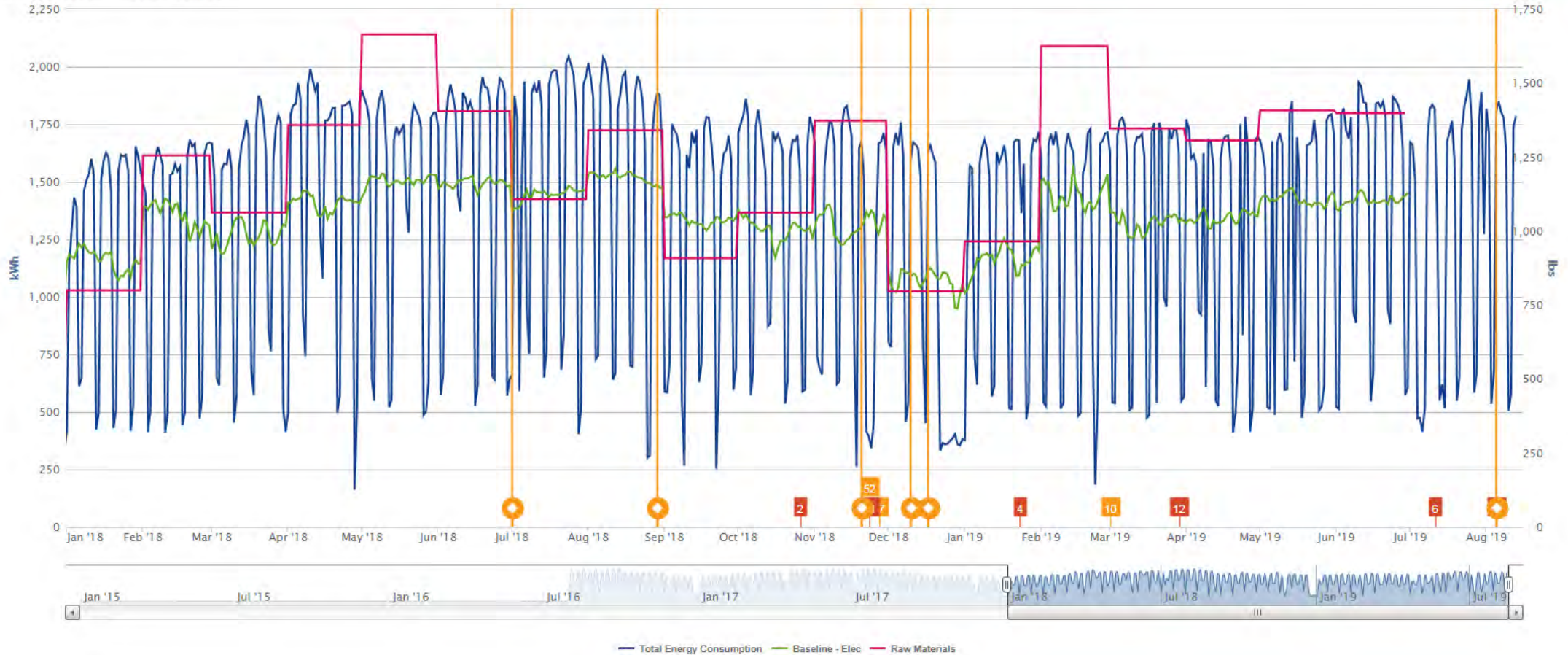
Energy Cons Vs Material Vs Baseline

Hunter Industries

EVENTS

2017-12-31

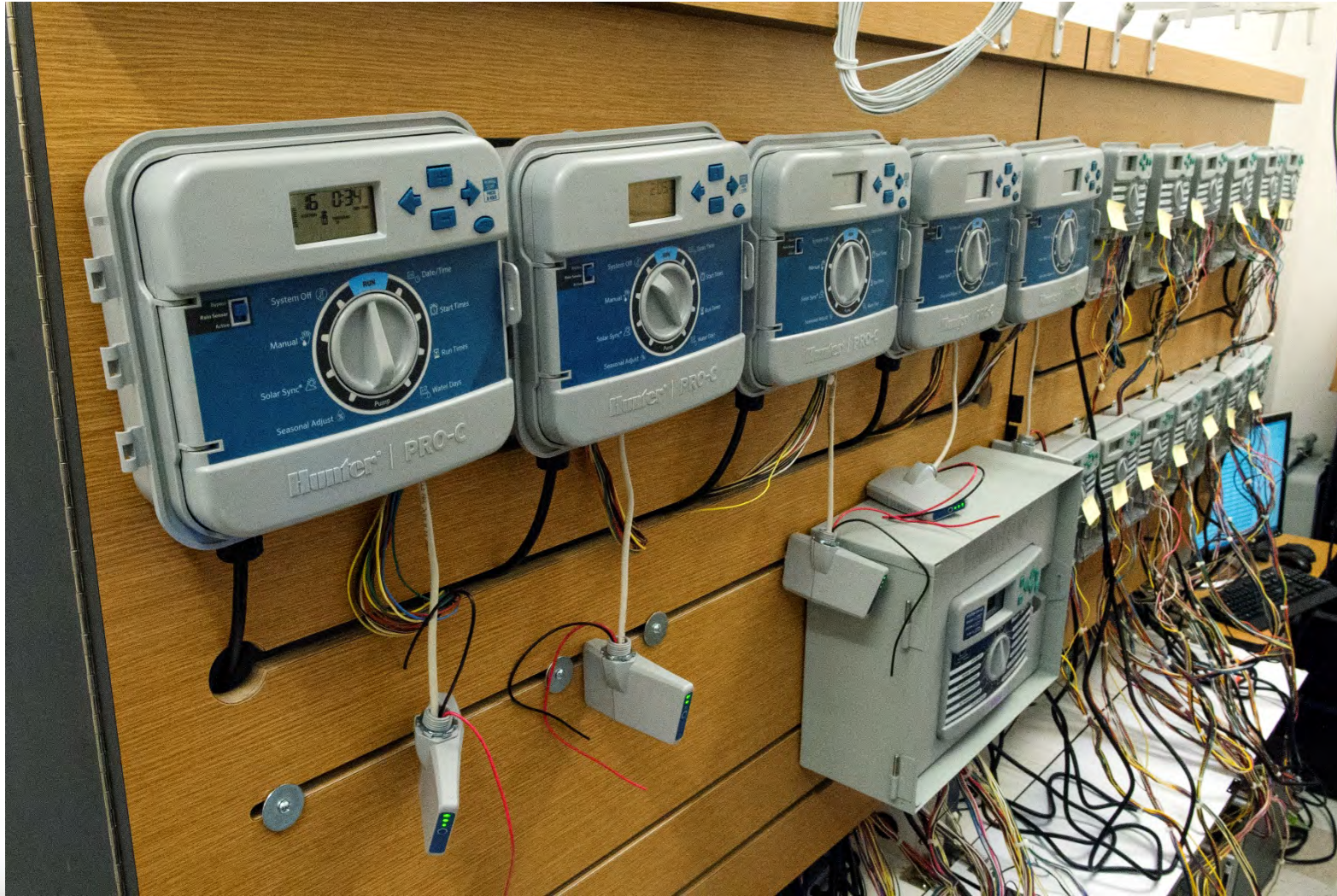
2019-08-15



Resources: Employees / Social Governance



Quality Control



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Transportation



We proudly offer UPS
carbon neutral shipments

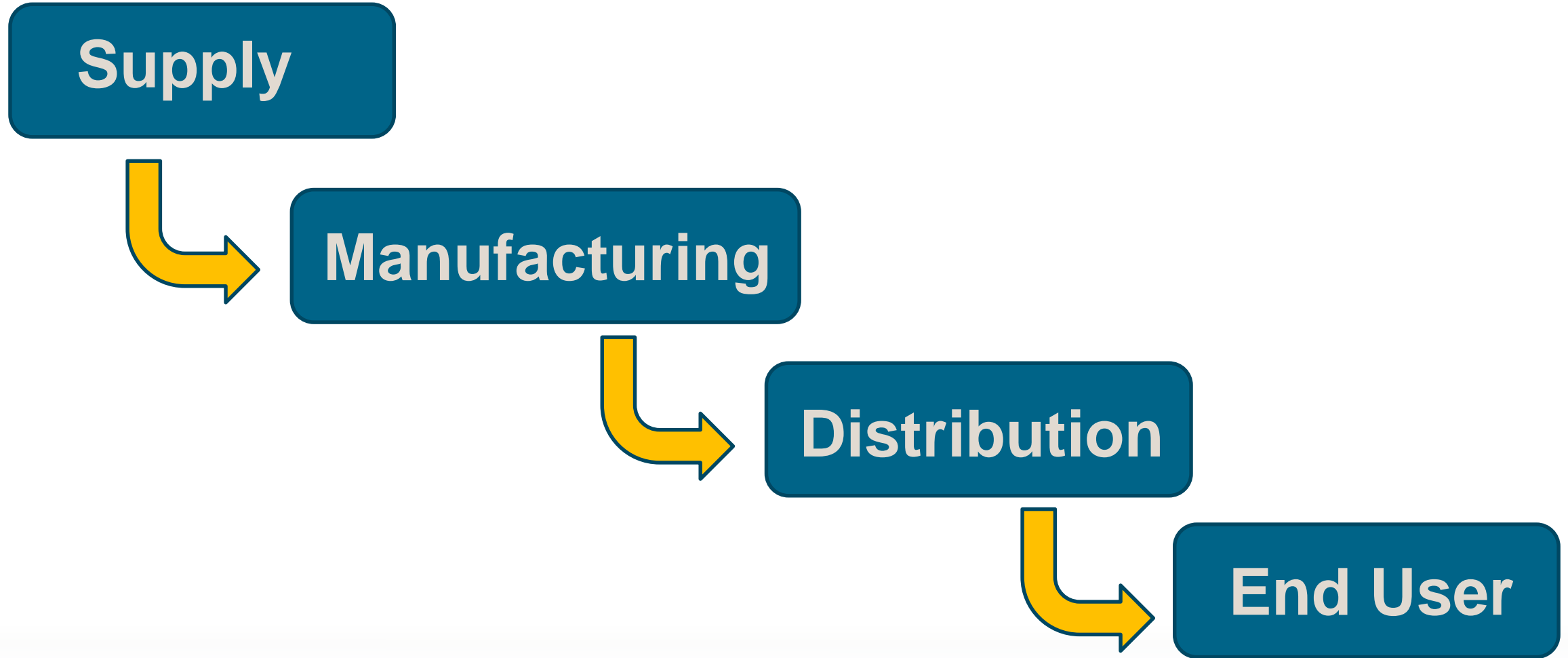


[ups.com/ carbonneutral](https://ups.com/carbonneutral)

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Green Infrastructure



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Green Infrastructure: Community



Green Infrastructure: Health and Well-being



Green Infrastructure: Environment



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Green Infrastructure: Economy



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Green Infrastructure: Performance

05.02.17

These Cities Are Replacing The Worst Kind Of Infrastructure With The Best

R.I.P. parking lots.



3/7 [Image: courtesy SWA]

LANDSCAPE PERFORMANCE SERIES

- Case Study Briefs
- Fast Fact Library
- Benefits Toolkit
- Collections

More ▾



The Landscape Performance Series is the online set of resources to help designers, agencies, and advocates evaluate performance, show value and make the case for sustainable landscape solutions.



Renaissance Park



Frontier Project

Active Living >

Resilience >

Biodiversity >

Revitalization >

Social Equity >

Water Management >



Uptown Normal Circle

Health & Wellbeing >

Carbon & Climate >

Urban Agriculture >



Sarah E. Goode STEM...



Dutch Kills Green

Green Infrastructure: Irrigation



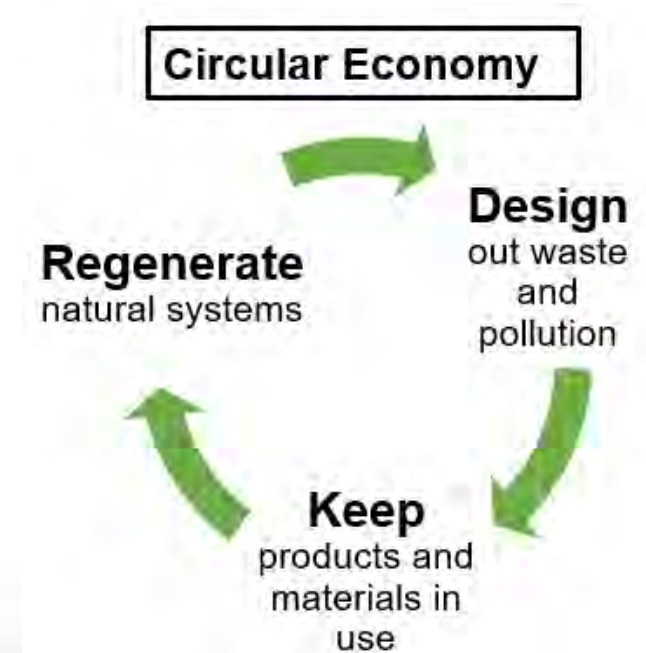
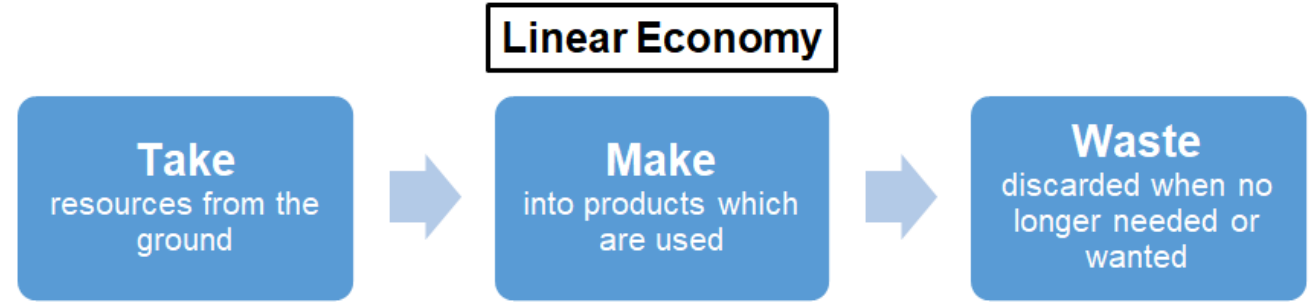
Green Infrastructure: Balance Inputs and Outputs



Resource Efficiency



Waste



Partnerships

A graphic for a recycling partnership. The top half features a scenic landscape of rolling green hills and dense evergreen forests under a clear sky. Overlaid on this is the text "Recycle Your IRRIGATION CONTROLLER" in white, with "Recycle Your" in a script font and "IRRIGATION CONTROLLER" in a bold sans-serif font. To the right of the text is a Venn diagram consisting of four overlapping circles in light blue, orange, green, and dark blue. The bottom half of the graphic is a solid tan color, serving as a background for three logos: BlueStar Recyclers (a starburst icon), Ewing Irrigation & Landscape Supply (a water drop icon), and Hunter (a registered trademark symbol).



Focus on dis*Abilities*

Inspiration & Investment



Solve Two Problems...

UNEMPLOYED

Wasted Talent: Of the 50 million people in the U.S. with a disability, less than 20% are participating in the labor force



Wasted Resources: Of the 20-50 million tons of e-waste produced globally each year, less than 13% is recycled



*Bureau of Labor Statistics, 2014

** US News & World Report ,
2014

With one solution...



Ethically recycle electronics to create local jobs for people with autism and other dis^{Abilities}.

A New Approach



Financially self-sustainable nonprofit
No dependence on outside funding



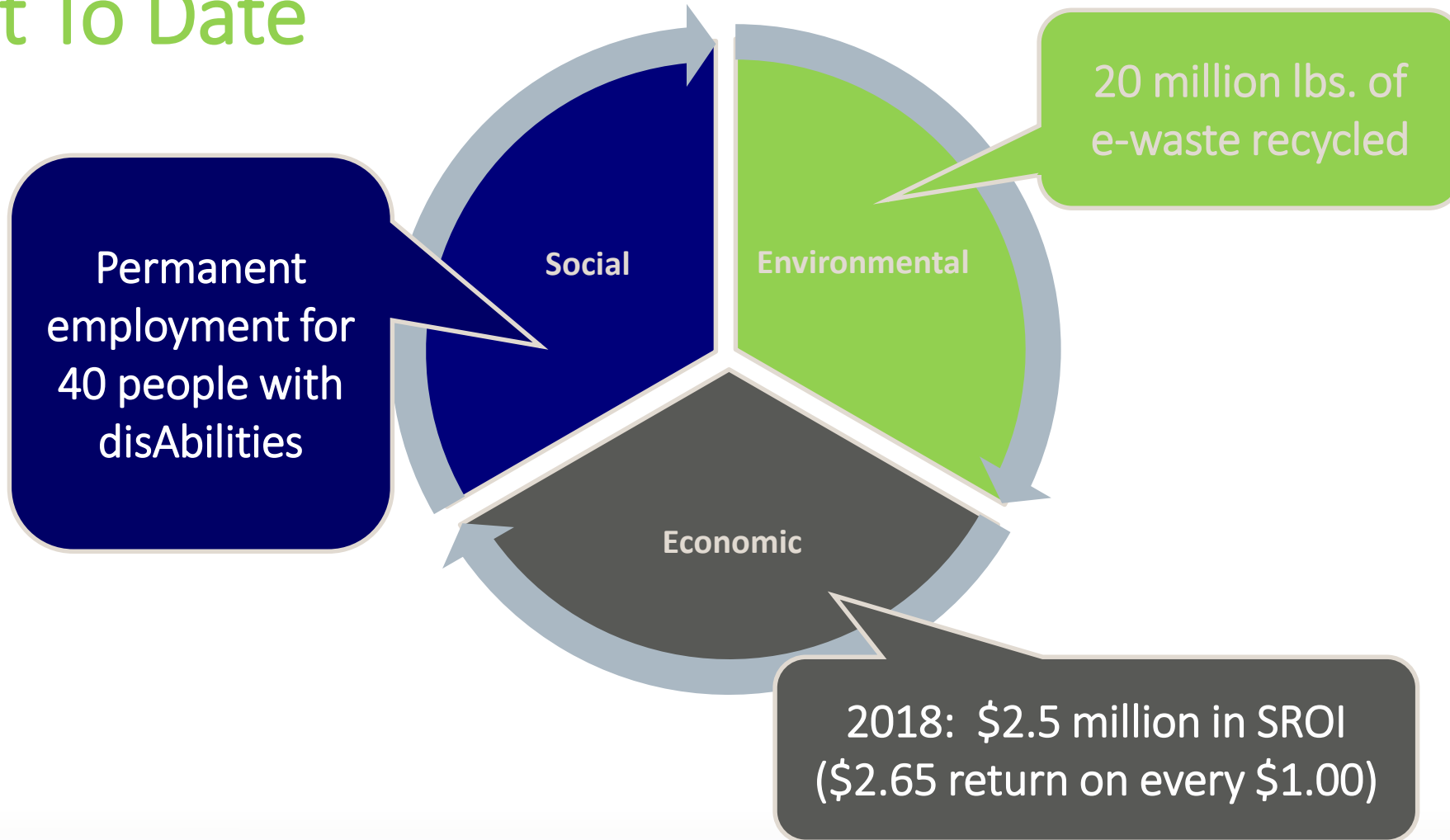
Asset vs. deficit-based employment model
Reduces taxpayer burden



Transforms waste into community benefit
Produces triple-bottom line impact



Impact To Date



*As of July 1 2017

Workforce Advantage



- Less than 20% annual employee turnover
- Zero absenteeism
- Zero lost-time accidents
- 98% on-the-clock task engagement

"If I did not have my work, I would not have my life."

Temple Grandin



Workforce Development Partnership

Cherry Creek Schools - Aurora, CO

Vocational Training/Bridge to Employment Program established 2014

All school district e-waste is sent to program and ultimately recycled by BSR

Students acquire and demonstrate skills for permanent employment with Blue Star

Win-Win-Win:

- ✓ *BSR gets a qualified and trained employee*
- ✓ *Student has opportunity for first real job*
- ✓ *School District and taxpayer costs reduced*

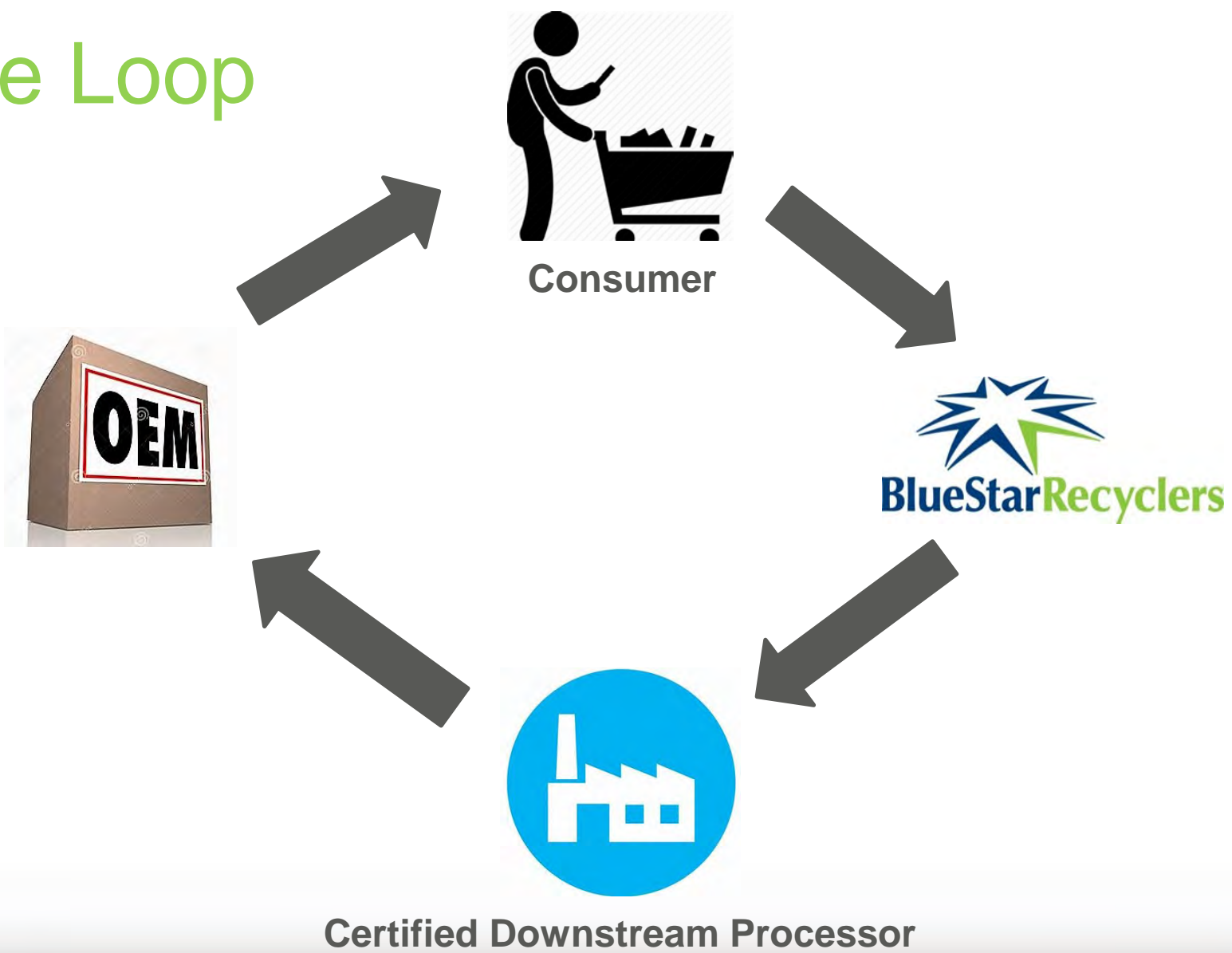


Kian Phair Age 18 – 2014
Transitions Program
Student



Kian Phair Age 22 – 2018
Recycling Tech/ BSR

Closing The Loop



Enterprise & Certifications

- Certified electronics recycling
- Data Destruction
- Computer Refurbishing
- Fluorescent Bulb Recycling
- Recycling events management

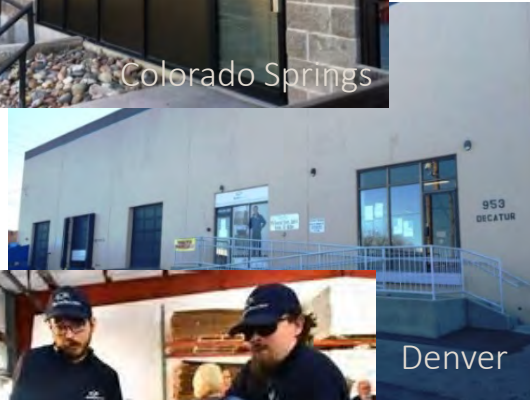


Locations:

Current Recycling Operations:



Colorado Springs



Denver



Boulder



2019 Expansion:



Chicagoland, IL



Roaring Fork Valley, CO

Thank you!

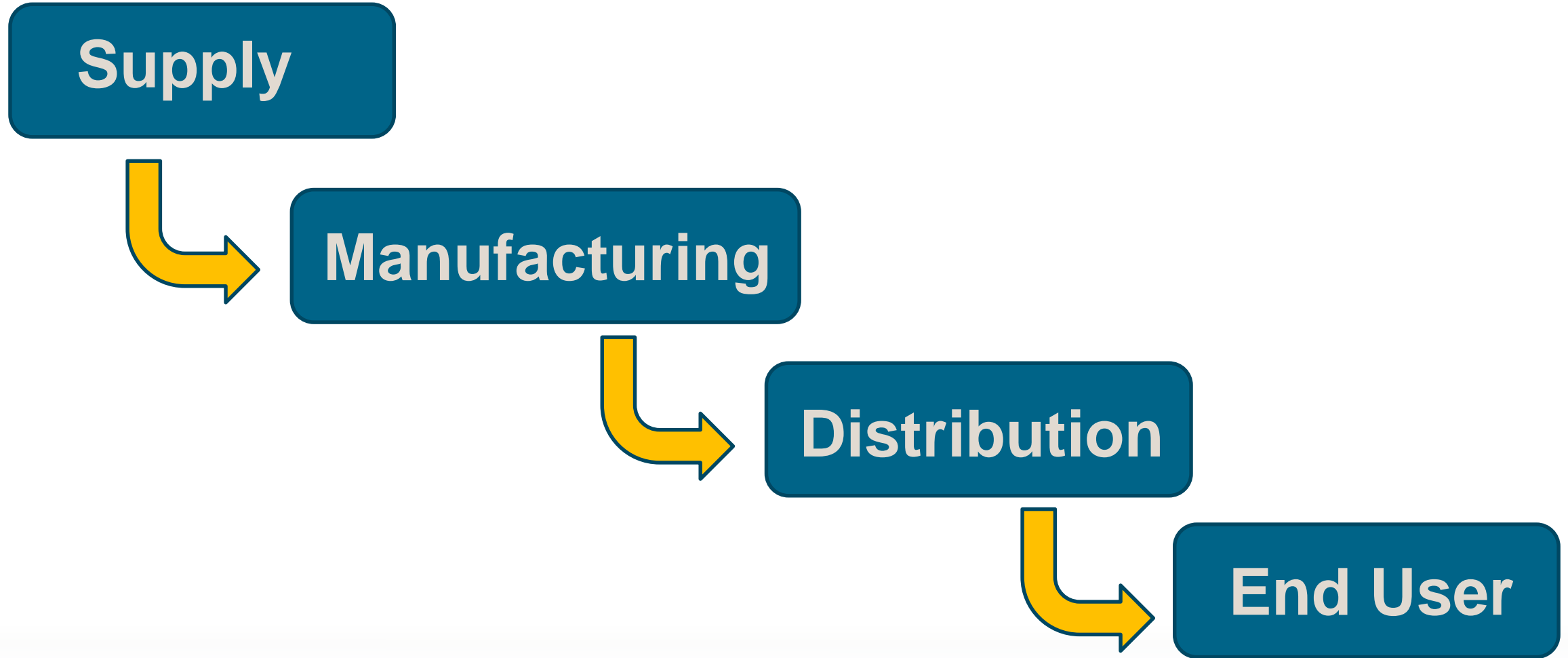


www.bluestarrecyclers.org

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Creating partnerships to find solutions



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Sharing the story



Creating a Resilient and Sustainable Industry



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