

# Latest Evolution Of Concrete Paving



# EUPAVE

EUROPEAN CONCRETE PAVING ASSOCIATION

September 7<sup>th</sup>  
Presentation



# Glenn Stobart

## European BDM

### Somero Enterprises, Inc.



#### ACI 330

- Commercial Concrete Parking Lots and Site Paving Design & Construction
- Concrete Site Paving for Industrial and Truck Facilities



Ride-On  
Screeds



S-485



EcoLaserScreed™

S-940



Lightweight Screeds



CH® XD™  
3.0

Mini Screed™ C



Stationary Screed



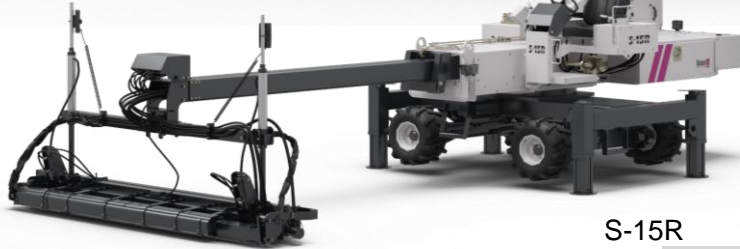
SkyScreed® 36



S-28EZ



S-22EZ



S-15R

Boomed  
Screeds

Material Placement  
Machines



SRS-4



Somero® Line Dragon®  
(Placer/Puller)



STS-11M



Broom+Cure



# Why Concrete Paving

- Design Strength
- Durability
- Safety
- Lighting
- Curb Appeal
- Life Cycle
- Less Maintenance
- Texture
- Lower Heat Island
- Price & ROI

**A Smart Business Choice**

# Concrete Paving Applications



- **Ports**
- **Warehouses**
- **Truck Facilities**
- **Distribution Centers**

# Concrete Paving Applications

- Retail Shops
- Grocery
- Fuel Stations
- Municipal
- Offices
- Lodging
- Restaurants
- Education

**Police / Fire / Public Works**



# 3-D Integration



# 3D Modeling







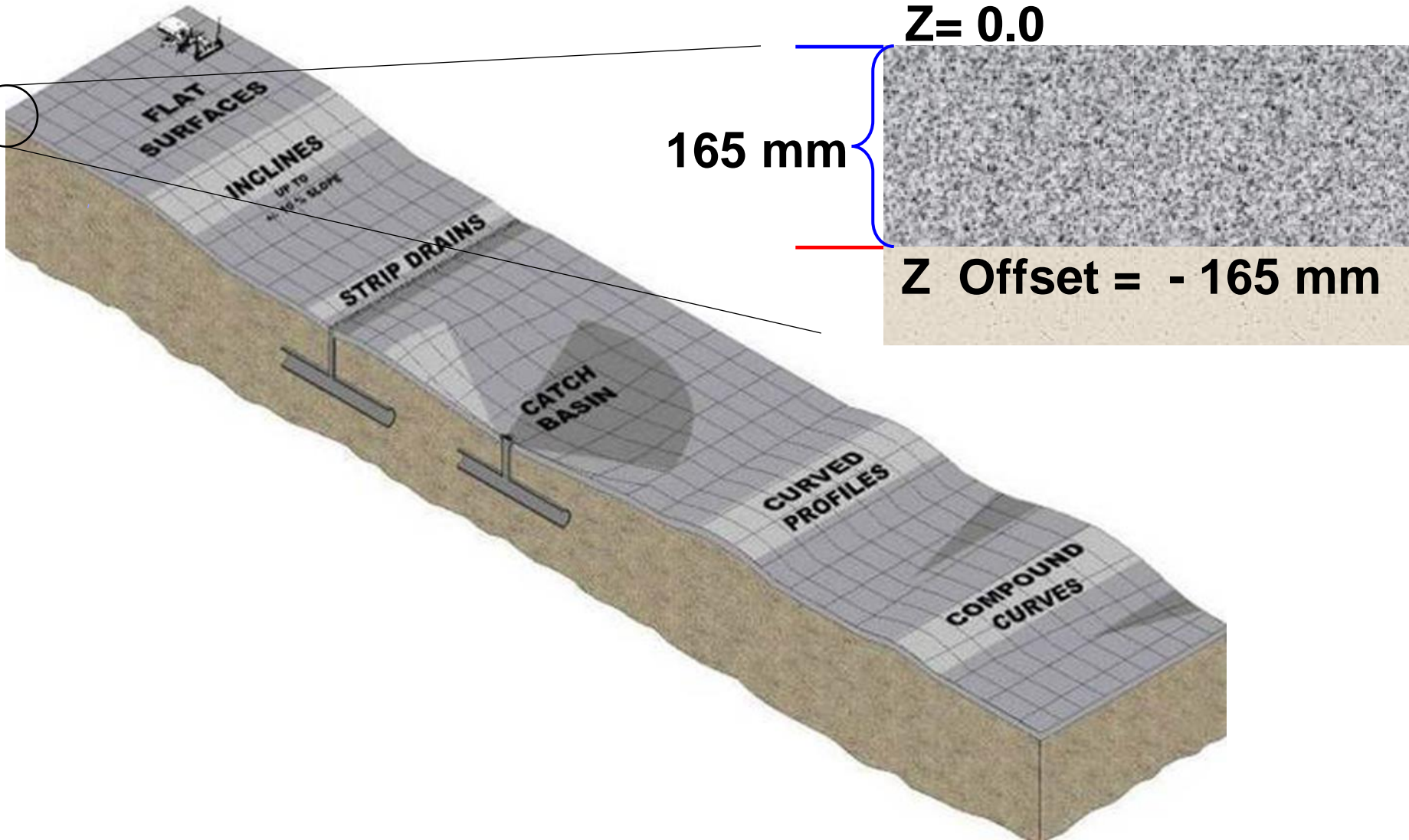
# 3D Modeling





## 3D Layout

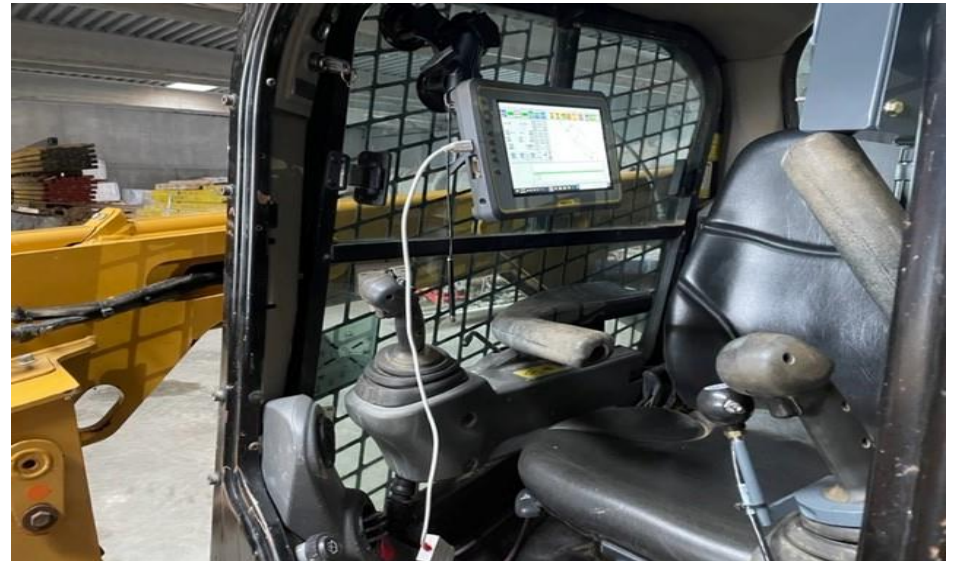
# 3D Fine Grading



# 3D Fine Grading



# 3D Fine Grading





## 3D Fine Grading

### **Project:**

92,900 m<sup>2</sup> FedEx Distribution Center

Toledo, OH

*Concrete Contractor: Merlo  
Construction Co.*

### **Daily Pour Sizes:**

841 m<sup>3</sup>

### **Concrete Yield:**

2.3 m<sup>3</sup>\*

*\*best result of all pours*

# Concrete Placement





# 3D Screeding



3D Screeding





# 3D Site Demonstration





# Texturing and Curing



# Texturing and Curing



**1 Operator**

**Bull Floats / Textures / Applies Cure**

**All in one 6 m x 4.25 m pass**



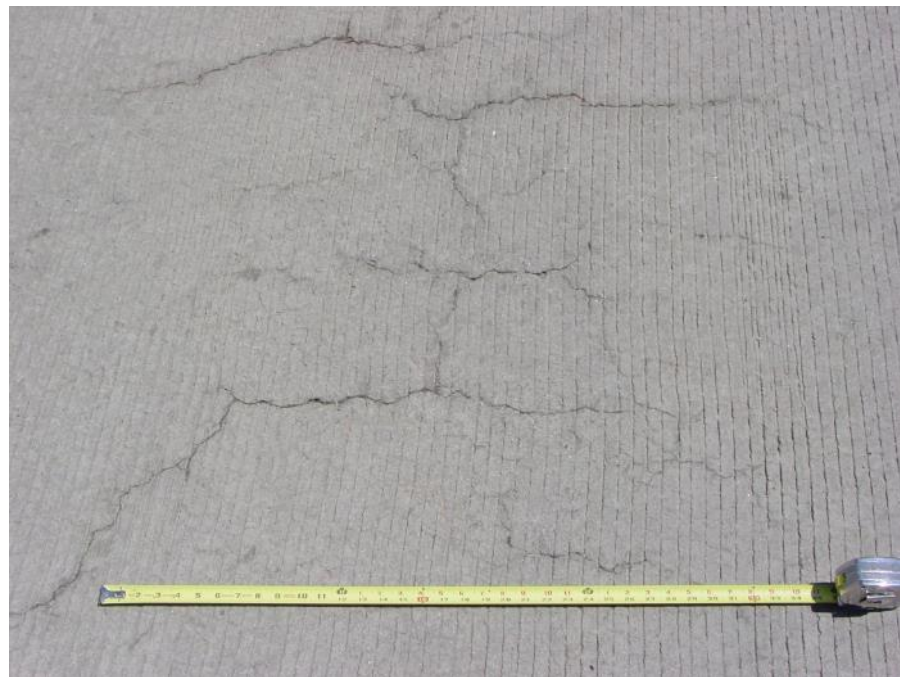
# Float - Texture - Cure



- **Evenly Broom**  
To desired texture
- **Timely Application of Cure**  
Consistent coverage  
Less waste

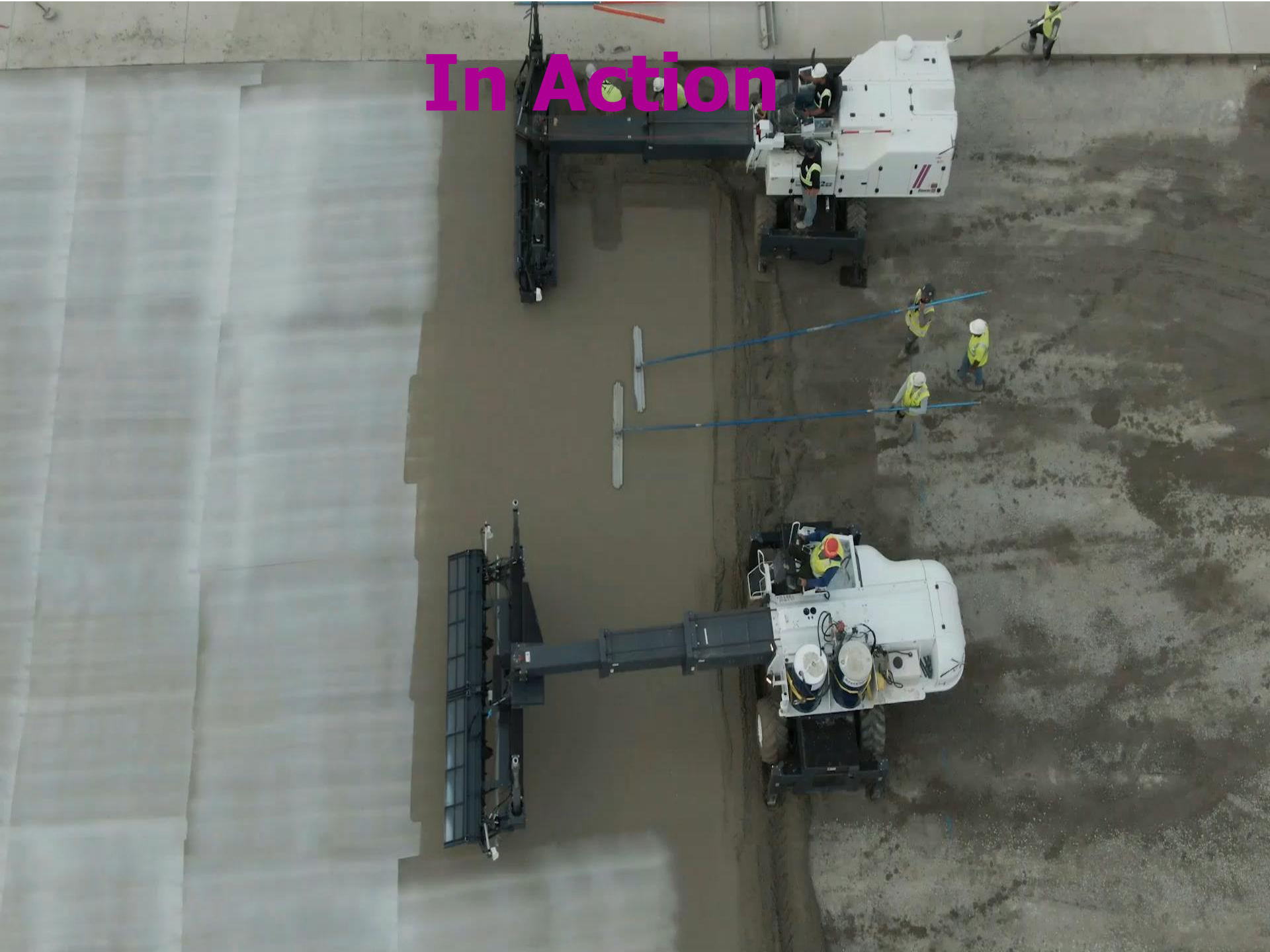
# Curing

Plastic shrinkage cracking is commonly associated with hot weather concreting, but it can also occur when the surface concrete dries and shrinks because of rapid moisture loss.



- Plastic shrinkage cracks appear in the first few hours after concrete placement and typically before the finishing operations are complete.
- Preventative measures to effectively control surface evaporation, include:
  - Immediately apply a sprayable evaporation retardant

# In Action





# Current Areas Of Operation

- External Pavements
- Pervious Concrete
- Site Grading
- Tunnel Construction
- Agriculture
- Internal Floor Construction
- Concrete Placement
- High Rise Construction
- Tilt Up Panel Construction



# Thank You

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