Paperless Ticketing & Delivery Management Solution

Presented by Jill Zhang, Sysdyne Technologies, LLC
Paperless Ticketing & Concrete Delivery Management Solution

www.istrada.net
Challenges #1 – Paper Tickets

According to Iowa DOT Statistics:

This Doesn’t Include Tickets!

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Problems with Paper Tickets

- Lost tickets
- Ticket verification
- Ticket sorting
- Summing the tickets for contractor pay
- Safety of workers dodging trucks to collect tickets
- Inspection records
- DVIR reports
- Ticket archive and retrieval
- Ticket collection from multiple concrete plants
- It’s not good for the environment!
Tablet in Concrete Truck

Your truck is 88
I'm in another truck

Clocked out

Clock In

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Paperless Tickets

Sold to: Firm Foundations
Deliver to: 1055 summer st stamford ct

<table>
<thead>
<tr>
<th>Qty</th>
<th>Unit</th>
<th>Description</th>
<th>Unit price</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>cy</td>
<td>3000 PUMP</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>/l</td>
<td>HAULING CHARGE</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Sub Total: 
TAX: 
Total: 

Ordered: 100.00
Ticket #2000240

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Batch Weights

Load time: 10:47:22
Water added @ plant: 0.00
Water added @ jobsite: 0.00

Inspector at plant: jill
ACCEPTED
Notes: Good

Air Content: 25.00
Slump: 5.00
Temperature: 25.0 F

<table>
<thead>
<tr>
<th></th>
<th>Actual</th>
<th>Moisture</th>
<th>Target</th>
<th>Unit</th>
</tr>
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<tbody>
<tr>
<td>STONE</td>
<td>17250</td>
<td></td>
<td>17500</td>
<td>LB</td>
</tr>
<tr>
<td>SAND</td>
<td>14450</td>
<td>3% (51.94 gl)</td>
<td>14845</td>
<td>LB</td>
</tr>
<tr>
<td>CEM1</td>
<td>5540</td>
<td></td>
<td>5500</td>
<td>LB</td>
</tr>
<tr>
<td>WRDA</td>
<td>220</td>
<td></td>
<td>220</td>
<td>OZ</td>
</tr>
<tr>
<td>AER</td>
<td>0</td>
<td></td>
<td>0</td>
<td>OZ</td>
</tr>
<tr>
<td>WATER</td>
<td>196</td>
<td></td>
<td>197</td>
<td>GL</td>
</tr>
</tbody>
</table>

Going to the job site

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At Job Site

Ticket #2000240

- **Plant:** 3
- **Order #:** 100
- **Customer #:** FIR1179
- **Truck:** 67
- **Driver:** Marquez, Alberto
- **PO #:** Job #
- **Project #:** Project name:

**Sold to:**
Firm Foundations

**Deliver to:**
1055 Summer St Stamford Ct

**Qty** | **Unit** | **Description** | **Unit price** | **Amount**
--- | --- | --- | --- | ---
10 | cy | 3000 PUMP |  |  |
1 | /l | HAULING CHARGE |  |  |

**Ordered:**
100.00

**Ticketed:** 15:35:07
**Loading:** 15:57:39
**To Job:** 16:08:47
**On Job:** 16:09:06

**Date:** Feb 1, 2017

**Terms and conditions**

**Accept terms and conditions**

**Ticket accepted**

**Signature**

**Saved**

**Signed by**
Zhang

**EMAIL TICKET**

**Send by email**

**Batch weights**

**To**
Signature

Ordered: 100.00
Delivered: 20.00
Slump: 4.00

Signed by: Jill
Terms and conditions accepted

ACCEPTED

Water added @ plant: Water added @ jobsite:

Truck 67 #2000234

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Key Times Recorded
Email Signed Tickets
COD Payment

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Inspector Adds Information

Air content: 25.00
Slump: 5.00
Concrete temperature: 25.00
Water added on site
Unit weight

Acceptance
Concrete accepted: 

Inspector Signature
Signature: Jill
Signed by: Jill

Notes
Inspector notes

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DVIR Form

**INSPECTION DETAILS**

<table>
<thead>
<tr>
<th>Field</th>
<th>Details</th>
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<tbody>
<tr>
<td>Truck</td>
<td></td>
</tr>
<tr>
<td>Employee</td>
<td></td>
</tr>
<tr>
<td>Odometer</td>
<td></td>
</tr>
<tr>
<td>Fuel g1</td>
<td></td>
</tr>
<tr>
<td>Fuel g2</td>
<td></td>
</tr>
<tr>
<td>Fuel miles</td>
<td></td>
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</tbody>
</table>

**ENGINE CHECKOUT**

<table>
<thead>
<tr>
<th>Field</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oil</td>
</tr>
<tr>
<td>Radiator</td>
</tr>
<tr>
<td>Belts/Bearings</td>
</tr>
<tr>
<td>Hoses</td>
</tr>
</tbody>
</table>

**INSTRUMENT CHECK**

<table>
<thead>
<tr>
<th>Field</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oil Pressure Gauge</td>
</tr>
<tr>
<td>Water Temp Gauge</td>
</tr>
</tbody>
</table>

www.istrada.net
Ticket Search
Ticket Sorting
Challenge #2 - Contractors
Where is my concrete?

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Track Delivery in Real Time
Dashboard of Pour

Dashboard Aug 23, 2016 8:18:36 PM

- **380yd** Ordered Total
- **330yd** Shipped total
- **32** Active Trucks
- **8** Trucks At Plant

Graphs showing orders and trucks over time.
Challenge #3 - For Concrete Suppliers:

- Where are the trucks?
- Driver’s routing assistance
- Communication with drivers en-route
- Reduction of inbound calls to dispatchers
- Pour updates
- Plant production during the day
- Time keeping for drivers/hourly employees

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iStrada for Concrete Suppliers

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Dashboard

Orders
- Delivered: 707.00 yd³
- Left: 76.00 yd³
- Total: 783.00 yd³
- Completed: 38
- Pending: 7
- Total: 45

Yardage
- Plant
- Project
- Customer

Top orders:
1. 15 62.00 yd³  Dsm Riverwalk Red Multi Use Trail Bridge
2. 62 60.00 yd³  Forest Avenue Village Apartments
3. 44 55.00 yd³  Grimes Distribution Center Building 4
4. 43 35.50 yd³  Jordan West Apartments
5. 50 35.00 yd³  Dsm Wra South Tier Interct Ph 10 Seg 22
Routing guidance for drivers

www.istrada.net
Pin Dropped on Map where Unloaded
Communicate with Drivers
## Time Keeping

### Timesheets

<table>
<thead>
<tr>
<th>Mon 30 Jan</th>
<th>Tue 31 Jan</th>
<th>Wed 1 Feb</th>
<th>Thu 2 Feb</th>
<th>Fri 3 Feb</th>
<th>Sat 4 Feb</th>
<th>Sun 5 Feb</th>
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</thead>
<tbody>
<tr>
<td>HONGBO LIU (2640)</td>
<td>19:17:50</td>
<td>00:00:00</td>
<td>00:00:00</td>
<td>00:00:00</td>
<td>00:00:00</td>
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<tr>
<td>Javier Rivera (1234)</td>
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<td>00:00:00</td>
<td>00:00:00</td>
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<td>00:00:00</td>
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<tr>
<td>Javi2 (4521)</td>
<td>00:00:00</td>
<td>00:00:00</td>
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<tr>
<td>Omerovic, Sabahudid (Sapko) (2320)</td>
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<td>00:00:00</td>
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<tr>
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<td>Ajdimovski, Osman (2680)</td>
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<td>Adamovicz, Richard (1090)</td>
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<td>Subasic, Ekreem (1900)</td>
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<td>Bollo, Michael (2570)</td>
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Access iStrada

- Concrete suppliers subscribe to iStrada Service
- Sysdyne set up accounts for concrete suppliers
- Contractors and inspectors access by invitation

www.istrada.net
Access by Invitation
Questions

For more information, please contact us:
Tel: 203.327.3649
Email: sales@sysdynetechnologies.com

Or visit us at:
www.sysdynetechnologies.com
www.istrada.net

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