

# Scaling Transit Efficiency with Ecolane Evolution:

## How the City of Danville Increased Trips Per Hour By 20%



When Danville Transit, based in Danville, VA, moved their transit software to Ecolane Evolution, they found new efficiencies with the software's robust and fully-automated capabilities. In rural regions where the presence of private operators are minimal, it was crucial to increase trips per hour and reduce revenue miles to keep people mobile.

### THE CHALLENGE

#### Demand for Reserve-A-Ride Service Escalates

The COVID-19 pandemic had severely limited the mobility of riders, especially for those who rely on public transportation. While the number of fixed-route trips decreased from 20,000 to 16,000 per month, the demand for reserve-a-ride service remained resilient. People relied on reserve-a-ride service to complement their public transportation more than ever, and the demand for reserve-a-ride service continued to grow post-pandemic.

### THE SOLUTION

#### Increasing Efficiency with the Ecolane Evolution Web Portal and the Mobile App

Danville Transit implemented the new scheduling portal, Ecolane Evolution, along with a mobile application. The portal enabled the team to increase the number of trips they could complete per hour and reduce the number of vehicles required by grouping and scheduling efficiently.

"It is such a significant improvement that even shows up on the performance report that we submit to the Virginia Department of Rail and Public Transportation.. which we have to even submit a separate explanation on!" – Marc Adelman, Transportation Director.

### HIGHLIGHTED STATS

**20%**  
Improvement  
in Trips  
Per Hour

**15-20%**  
Decrease  
in Service  
Miles

Service Hours  
Savings from  
**2.4 to 2.0**

“There is a huge difference between a fully-automated solution versus a partially-automated solution.”

- Marc Adelman,  
Transportation Director at Danville Transit



## Integrated Transit Capabilities Powered By Robust Modules

### **Clock-In:**

Each driver can add clock-in timing immediately when they are placed in service

### **Subscription:**

Riders can opt-in for subscriptions at any time, in any place

### **Geolocation:**

Ecolane Evolution allows the operators to geo-code locations easily



**Danville Transit System**

### **About Danville Transit**

Since 1999, Danville Transit has been offering convenient and economical transit service including the fixed route, paratransit, and reserve-a-ride (“door to door”) service. Today, Danville Transit operates around 600 trips a month, breaking the transit barriers for seniors and persons with disabilities.

**Industry:** Government Agency

**Agency Size:** Small-Mid Market

(About 27 vehicles, 7,000 trips annually)

**Location:** Danville, Virginia, the United States

**Products:** Ecolane Evolution, Mobile Application