



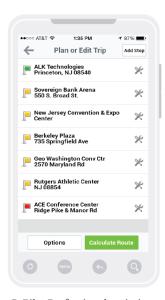
Advanced Route Optimization and Real Time Windows

Arriving onsite within a specific, customer convenient, time window guarantees improved customer satisfaction and enhances overall company efficiency.

By combining CoPilot Professional's routing algorithms with the preferences and pre-defined Service Level Agreements (SLAs) stored in back office planning systems, organizations have the ability to accurately schedule a mobile worker to arrive at a location to perform work within a specified time window. This precise timing can then be shared with the end customer.

LOCATION	DELIVERY	FC	LOCATION	DELIVERY	FC	LOCATION	DELIVERY	FC
AL RANY	WEDVERI	10	FFRDDOLF WA	MONDAY	FOL	OFFICIN CITY	TLE/THU	10
		_			PCL.			_
ALOHA	THURS		FLORENCE	NO DELV		PHILOMATH	WED/FRI	
ALVADORE	WED/FRI	_	FOREST GROVE	THURS	_	PLEASANT HILL	WED/FRI	-
AMITY	YAGADAY		FOSTER	WEDVF#1		POWELL BUTTE	CENTFAL	FOL
ASHLAND	FAR SOUTH	FCL	GASTON	THURS		PUYALLUP, WA	MONDAY	
AUMSVILLE	WEDVERI	-	GERVAIS	WEDVERI	_	RAINER, WA	MONDAY	FOL
AURDRA	WED/FR1		GLADSTONE	TUE/THUR		RIDGEFIELD, WA	THURS	
BANKS	THURS		GLIDE	FAR SOUTH	FOL	ROGUE RIVER	FAR SOUTH	FOL
BATTLEGROUND	THURS		GRESHAM	TUE/THUR		SANDY	TUE/THU	
BEAVERTON	THURS		HALSEY	WEDVF81		SCAPPOSE	THURS	
BORNG	TUE/THU		HAPPY VALLEY	TUE/THUR		SCIO	WED/FRI	
BROOKS	WEDVERI		HARRISBURG	WED/F81		SELMA	FAR SOUTH	FOL
BROOKINGS	NO DELV		HILLSBORD	THURS		SHEDD	WED/FRI	
BRUSH PRAIRE	THURS		HLBBAFD	WEDVERI		SHERIDAN	MONDAY	
CAMAS VALLEY	NO DELV		NDEPENDENCE	MONDAY		SHERWOOD	MONDAY	
CANBY	WEDVERI		ISSAQUAH, WA	MONDAY	FOL	SILVERTON	WED/FRI	
CARLTON	MONDAY		JACKSONVILLE	FAR SOUTH	FOL	SPRINGFIELD	WED/FRI	
CAVE JUNCTION	FAR SOUTH	FOL	JEFFERSON .	WEDVERI		ST HELENS	THURS	
CENTRAL PONT	FAR SOUTH	FCL	JUNCTION CITY	WED/F#1		ST PAUL	MONDAY	
CHEHALIS, WA	MONDAY		KANSAS CITY	THURS		STATTON	WED/FRI	
CLATSKAME	MONDY	FCL	KEIZER	WED/F81		SUBLIMITY	WED/FRI	
COLTON	TUE/THU		KNRK.	FAR SOUTH	FOL	SUNRIVER	CENTEAL.	FO.
CORBETT	TUE/THU		LAFAYETTE	MONDAY		SWEET HOME	WED/FRI	FOL
CLACKAMAS	TLE/THU		LAKESIDE	NO DELV		TANGENT	WED/FRI	
CORNELIUS	THURS		LA PINE	CENTRAL	FOL	TERREBONNE	CENTRAL	FOL
COTTAGE GROVE	FAR SOUTH	FOL	LAKE OSWEGO	THURS		TIGARD	THURS	
CORVALLIS	WED/FFI		LEBANON	WEDVERI		TROUTDALE	TUE/THU	
CRESWELL	WED/FFI		LONGVIEW	MON/FEN		TUALATIN	MON/THUR	
DALLAS	MONDAY		LOWELL	WED/E81		TURNER	WED/ERI	
DAMASOUS	TUE/THU		MURN	NO DELV		VANCOUVER, WA	THURS	
DAYS ORFEK	FAR SOUTH	FO.	WMNWILE	MONDAY		VASHON, WA	THURS	
DAYTON	MONDAY		VEDECED	FAR SOUTH	501	VENETA	WED/FRI	FOL
DES MOINES, WA	MONDAY	EC1	MUVALKE	TUE/THUR		WEST LAKE	NO DELY	
DONALD.	WED/FRI		WOLMER	WFD/F81	_	WEST LINN	THIRS	_
DUMDEE	MONDAY	_	MONNOLTH	MONDAY	_	WEST SALEM	MONDAY	_
FAGLE CREEK	TUE/THU	_	WONBOE	WEDVERI		WELANINA	MONDAY	-
EAGLE POINT	FAR SOUTH	EC1	MT ANGEL	WED/FFI	_	WILLIAMS	FAR SOUTH	FO
EAST PORTLAND	TUE/THU		MORTLE CREEK	FAR SOUTH	EQ.	WESONVILLE	MON/THUR	
EAST SALEM	WED/FRI	_	NEWBERG	MONDAY	100	WINSTON	FAR SOUTH	FOL
ELMA, WA	HONDAY	-	NORTH PLAINS	THURS	-	WOODBURN	WED/FRI	···
ESTACADA	TLE/THI	_	NW POSTLAND	THURS	_	Y4M-E.I.	MONDAY	_
EUGENE	WEDVERI		CMALAND	FAR SOUTH	FOL	Trong Wall	PROMOPI.	•
PENINGULA EVE			EVERY OTHER TH	VERY OTHER THURSDAY				_
FAR SOUTH	EVERY OTHER THURSDAY					FC: \$15.00		_
CENTRAL.	38D THESDAY OF EVERY MENTH					FCL: \$30.00		
OLYMPIA - NORTH			MONDAY					

Delivery schedule sent from back office application to CoPilot Professional



CoPilot Professional optimizes the stops to meet any existing time windows/SLAs



New optimized route and accurate ETAs used to produce precise time windows for customers



Business Benefits

- Improve first-time delivery success
- Generate smaller, accurate time windows for greater customer convenience
- Improve driver productivity with the possibility of servicing more appointments or deliveries/pickups per shift
- Increase field worker confidence and adoption with a winning combination of technology and local knowledge
- Reduce driver training time for new and agency drivers

Generate Accurate Time Windows

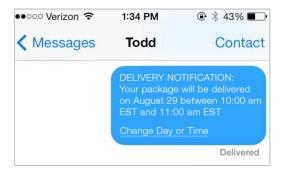
CoPilot Professional takes a worker's schedule of up to 250 stops from a back office planning or mobile job management application and optimizes the route on the mobile worker's handheld device. This removes the need to manually plan driving itineraries. The route is compared against any SLAs in place and revised, as required, in order to satisfy them.

If a company chooses, the option for a mobile worker to reorder stops based on their local knowledge is available.

Once the route is finalized, other employees and end customers can be notified by text or email via the back office application of the specific time window in which the mobile worker will arrive.

Keep Customers Informed

While on the road, factors such as current location and ETA to the next appointment can be retrieved from CoPilot Professional on the driver's device and used to inform customers of any potential delay.



FEATURES

- Groups stops in a logical order to speed-up the process of optimization on the handheld device andmaximize the number of achievable deliveries
- Uses road distances as opposed to a straight line between delivery points to calculate the route
- Takes SLAs and time restricted windows into account when route planning
- Experienced drivers can be empowered with the ability to adjust stop order prior to finalizing the route
- Facility to factor in driver break time and wait times, to improve the accuracy of customer ETAs
- Links seamlessly with mobile workflow and back office planning applications

Advanced Route Optimization is an additional module available for the CoPilot Professional SDK.

For further information on the route optimization capabilities of CoPilot Professional, contact **busdev@alk.com**, or visit **copilotgps.com/pro**

