

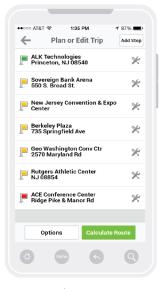
Advanced Route Optimization and Real Time Windows

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	DELINERY	FC	LOCATION	DELIVERY	FC
ALOHA	THURS		FLORENCE	NO DELV		PHILOMATH	WED/FRI	
ALYADORE	WED/FRI		FOREST GROVE	THURS		PLEASANT HILL	WED/FRI	
AMITY	MONDAY		FOSTER	WED/FF1		POWELL BUTTE	CENTRAL	FOL
ASHLAND	FAR SOUTH	FCL	GASTON	THURS		PUYALLUP, WA	MONDAY	FOL
AUMSVILLE	WED/FFI		GERMAIS	WED/FF1		RAINER WA	MONDAY	FOL
AURDRA	WED/FRI		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	
REAVERTON	THURS		HOLSEY	WFD/F81		SCAPPOSE	THURS	
BORNG	TLE/THU		HAPPY VALLEY	TUE/THUR		SCIO	WED/FR:	_
BROOKS	WED/FRI		HARRISBURG	WEDVERI		SELMA	FAR SOUTH	FO
BROOKINGS	NO DELV	_	HILL SRORD	THURS	_	SHEDO	WFD/FRI	
BRUSH PRAIRIE	THIRS	•	HI BRAFD	WFD/FF1		SHEEDAN	MONDAY	-
CAMAS VALLEY	NO DELV	_	NDEPENDENCE	MONDAY	_	SHERWOOD	MONDAY	_
CAMBY	WEDVERI	_	ISSADUAH, WA	MONDAY	601	SILVERTON	WED/ER	-
CARL TON	VONDAY	_	INCK SONWILLE	FAR SOUTH	60	SPRINCERIO	WED/ER	_
CAVE JUNCTION	FAR SOUTH	FO.		WEDVERI		ST HELENS	THURS	-
CENTRAL POINT	FAR SOUTH	FOL	LINCTION CITY	WEDVERI	_	STRAIL	MONDAY	_
CHEHALIS, WA	MONDAY		KONSAS CITY	DHIRS	-	STATION	WED/ER	-
CLATSKAME	MONDA	FO.		WEDVERI	_	SUBLIMITY	WED/ER	_
COLTON	D.E.(THI	100	CERY	FAR SOUTH	60	SUNRMER	CENTEAL	FO
CORRETT	TLE/THI	_	LAFAYETTE	WONDAY	PLA:	SWEET HOME	WED/ER	FOL
CLACKAMAS	TLE/THU	-	LAKESDE	NO DELV	_	TANSENT	WED/FR	
CORNELLS	THIRS	_	LA PRIF	CENTRAL	601	TERRESCONSE	CENTEAL	FO
CONTROL GROWE	FAR SOUTH	FO	LAKE OSMEGO	THIRS	ru	TIGARD	TH BS	ru
CORVALLS	WEDVERI	ruc	LEBANON	WEDVERI	_	TEQUIDALE	TUE/THU	_
CRESWELL	WEDVERI	-	LONGVIEW	MONVEN	_	TUALATIN	MON/THUR	-
DALLAS	MEDINAN	_	LOWELL	WED/EST	_	TLEVER	WED/ERI	_
DAVASOLS	D.E.(THI)	-	MAIPN	NO DELV	-	VANCOUNER WA	THIRS	-
DAYS ORFER	FAR SOUTH	FO.	WMNWILE	MONDAY	_	VASHON WA	THURS	_
DAYTON	MONDAY	PUL	MEDECED	FAR SOUTH	FO	VENETA	WED/FRI	FO
DES MOINES, TVA	VONDAY	EC.		THE/THER	PCL	WEST LAKE	NO DELY	RU
DONALD	WEDVER	PCI.	WENTALKE	WEDVERS	_		TH 85	_
DUNDEE	WEDVERS	-	WOUNDLITH	MONDAY	-	WEST LINN WEST SALEM	MONDAY	-
FAGI F CREEK	TUE/THU	_	MONNOUTH MONROE	WEDVERI	_	WEST SALEM	MONDAY	_
EAGLE POINT	FAR SOUTH	FCL	MT ANGEL	WED/FRI	EQ.	WELIAMS	FAR SOUTH	FO.
EAST PORTLAND	TUE/THU WED/ERI	-	MYRTLE CREEK	FAR SOUTH	PUL	WESONVILLE	MON/THUR	FO
		-			_		FAR SOUTH	FUL
ELMA, WA ESTACADA	MONDAY	-	NORTH PLAINS	THURS	_	WOODBURN	WED/FRI	-
ELIGENE	TUE/THU WED/FRE	-	NW PORTLAND	THURS FOR SOUTH	FOL	YAM-ELL	MONDAY	-
	1100-791					tour outgers		
PENINGULA			EVERY OTHER TH			FUEL CHARGES FC: \$15.00	-	_
FAR SOUTH			EVERY OTHER TH				-	
CENTRAL			3RD TUESCAY OF	EVERY MONTH		FCL: \$30.00		
OLYMPIA - NORTH			HONDAY			UDALE HIGHWAY 84		

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

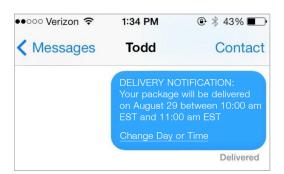
CoPilot Professional takes a worker's schedule of up to 250 stops from a back office planning or mobile job management application and optimizes the route on the mobile worker's handheld device. This removes the need to manually plan driving itineraries. The route is compared against any SLAs in place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

