



WELDING TECHNOLOGIES

# ARO in Thailand



A Langley Holdings Company

**ARO Welding Technologies**



# ARO SERVICE IN THAILAND



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The ARO exclusive agent is Avitra CO Ltd since 1999.

Avitra CO Ltd, is located in Bangkok.

Avitra CO Ltd was created in 1987.

The support staff includes:

- 3 technicians with more than 10 years experience with ARO equipment (manual and robot guns, welding cabinets)
- 1 manager:
  - Thongmee Tessanan (15 years experience with ARO equipment)
- Avitra has the ability to do some basic design modification on 2D drawings, design support being otherwise provided by ARO from France



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A local tool shop, located nearby, is used for manufacturing shanks, electrodes and simple shaped arms

For a given project, it is possible to set up a limited safety stock for standard parts (for example cylinders) at Avitra place.  
Delivery time from there to Ford plant is 3 hours.

M. Thongmee Tessanan at Avitra is fully knowledgeable about local codes and laws

Avitra has very good relationships with Aapico, a local integrator



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# ARO REFERENCES IN THAILAND



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ARO has delivered guns to various customers in Thailand, with the support of Avitra:

CUSTOMERS	APPLICATION / PROJECT NAME	TYPE AND NUMBER OF GUN				
		Manual AC	Manual MFDC/AW	Robot air gun	Robot servo AC gun	Robot servo MFDC/AW
Thai Swedish Assembly Co., Ltd. / TMBP LTD.	VOLVO S80 (Move production to Malaysia)	42				
	VOLVO S60/V70 (Move production to Malaysia)	30				
	VOLVO XC90 (Move production to Malaysia)	28				
	VOLVO TRUCK	18	6			
	UD TRUCK	64				7
Daimler Benz Thailand Co., Ltd.	MERCEDES BENZ E-CLASS (W211) production stop in 2009	55				
	SIDEWALL SUB ASSY FOR C-E-S CLASS production stop in 2009	12				
	MERCEDES BENZ A-CLASS (W169) production stop in 2010		24			
Y.M.C. ASSEMBLY LTD.	VOLKSWAGEN, AUDI, PEUGEOT ASSEMBLING (Production stop in 2008)	180				
Summit Laemchabang Auto Body Works Ltd.	Parts for Mitsubishi pick up trucks	1		35		
Summit Auto Body Work Ltd.	Parts for Mitsubishi pick up trucks			2		
Summit Laemchabang Auto Body Works Ltd. (Rayong Branch)	Parts for Ford pick up trucks			26		
Thai Summit Auto Parts Ltd. (Bangna-Trad Rd.)	Parts for Nissan and Isuzu				9	7
Thai Summit Eastern Seaboard Auto Parts Ltd.	Parts for Ford C-346 and T6				18	7
Thai Summit Laemchabang Auto Parts Ltd.	Parts for Mitsubishi				2	6
Thai Summit Rayong Auto Parts Ltd.	Parts for GM	3			1	3
AAPICO Hitech Rayong Plant	Parts for Ford T6 and B car	34			3	
TOTAL NUMBER OF GUNS		467	30	63	33	30



# EXAMPLES OF ARO PRODUCTS IN THAILAND



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Manual MF Auto adaptive guns and cabinets at Thai-Swedish Assembly Ltd for Volvo Trucks Project



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# EXAMPLES OF ARO PRODUCTS IN THAILAND



WELDING TECHNOLOGIES



Manual AC guns and cabinets at Thai-Swedish Assembly Ltd for  
UD Trucks Project



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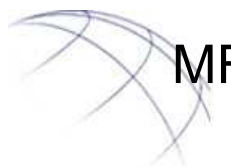
# EXAMPLES OF ARO PRODUCTS IN THAILAND



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MFDC servo robot gun + MFDC controller with NACHI robot at Thai-Swedish Assembly Ltd for UD Trucks Project



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# EXAMPLES OF ARO PRODUCTS IN THAILAND



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Manual AC guns and cabinets at Aapico Hitech Rayong Plant  
For Ford T6 Pick Up Truck Project



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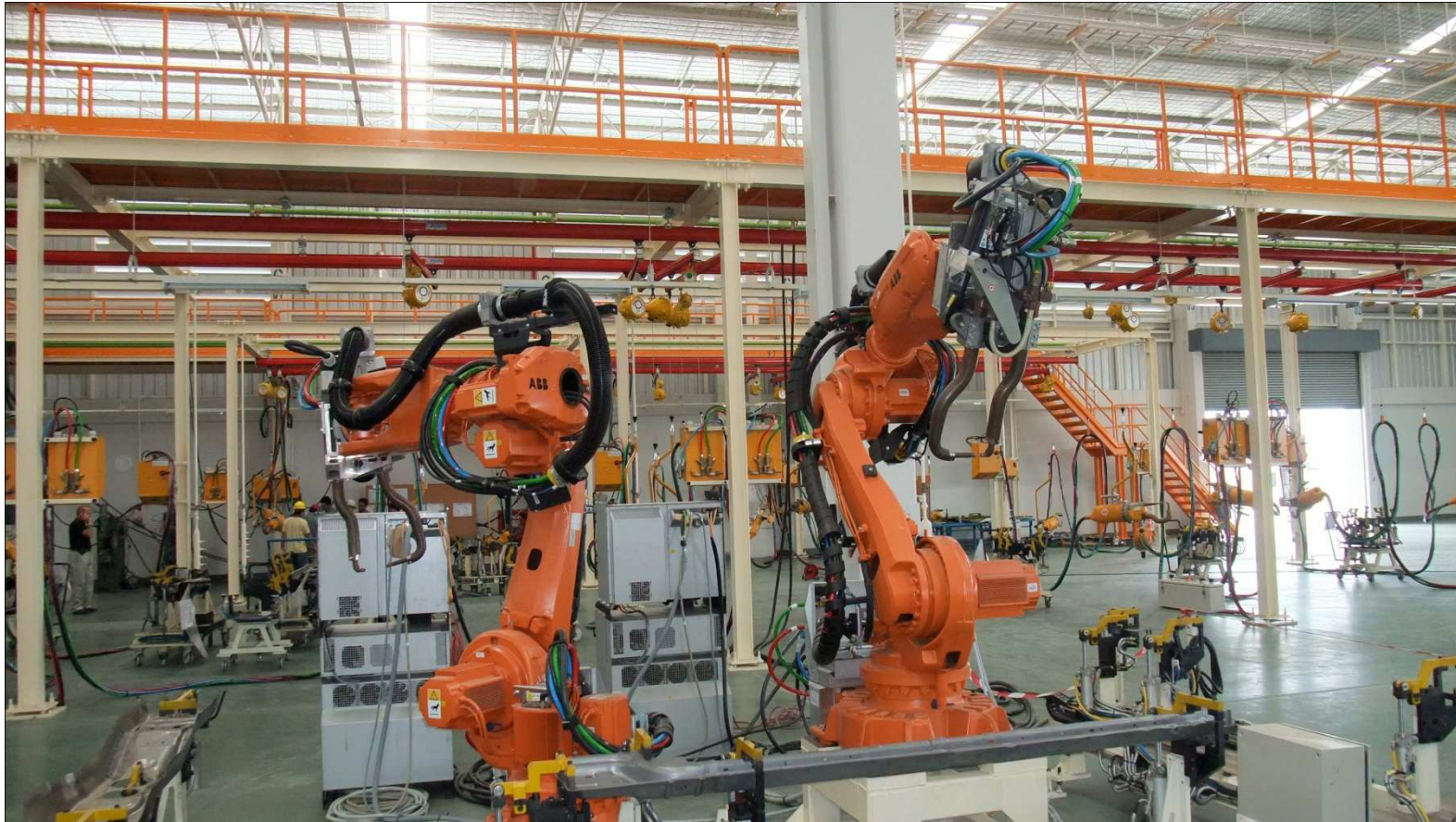
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# EXAMPLES OF ARO PRODUCTS IN THAILAND



WELDING TECHNOLOGIES



AC 3G-servo robot guns with ABB robot at Aapico Hitech Rayong Plant For Ford T6 Pick Up Truck Project



# EXAMPLES OF ARO PRODUCTS IN THAILAND



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AC 3G servo 3G gun + controller with MOTOMAN robot at Thai Summit Eastern Seaboard for FORD C 346 project



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# EXAMPLES OF ARO PRODUCTS IN THAILAND



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AC 3G-servo 3G gun + iBox controller with 6 AXIS ABB robot at  
Thai Summit Auto Part industry Bangna Ltd for Nissan Eco-Car  
Project



# EXAMPLES OF ARO PRODUCTS IN THAILAND



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AC 3G-servo 3G gun + controller with MOTOMAN robot at Thai Summit Auto Part industry Bangna Ltd for Nissan Eco-Car Project



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# THANK YOU!



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