

Selected Crane Assessment Projects

Client	Year	Crane	Number of Cranes	Services Provided										
				Health Assessment				Damage Assessment						
				Condition Survey	Inspection Program	Life Assessment	Repair Program	Earthquake	Voyage Collision	Hurricane	Vibration	Fatigue or Operations	Corrosion	
PSA Corporation Singapore	2009	MGM, MHI, and MES A- frame	6	✓	✓	✓	✓							
JICT Jakarta Indonesia	2009	Hitachi	1	✓									✓	
JICT Jakarta Indonesia	2009	Gunanusa Paceco	2	✓										
DP World Southampton UK	2008	Morris A- frame	7	✓	✓									
YICT West Port China	2008	SPMP A-frame	3	✓	✓	✓	✓							
McKay Int'l. Engineers Benicia, California	2007	ZPMC A-frame	14				✓						✓	
COSCO-HIT Hong Kong	2007	IHI Articulated boom, A-frame	4	✓	✓		✓							✓
Price Companies Inc. Oklahoma	2007	Log Handling Crane	1	✓	✓		✓							
Maryland Port Authority Baltimore, Maryland	2006	Price Revolver	1	✓			✓				✓	✓		
Marine Technical Services, Inc. Los Angeles, California	2006	Amclyde Revolver	1	✓	✓		✓					✓	✓	
Manzanillo Int'l. Terminal Panama	2006	Hyundai A-frame	1				✓					✓	✓	
Manzanillo Int'l. Terminal Panama	2006	ZPMC A-frame	6				✓				✓	✓		

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APM Terminals New Jersey	2006	ZPMC Underhung trolley	6	✓	✓		✓						✓	
Hongkong Int'l. Terminals Ltd. Hong Kong	2006	ZPMC A-frame	1				✓					✓	✓	
USS-Posco Industries Pittsburg, California	2006	Paceco A-frame	2				✓						✓	
Hongkong Int'l. Terminals Ltd. Hong Kong	2006	MHI RMGC	24				✓						✓	
ZPMC/FDRC Felixstowe, UK	2006	ZPMC A-frame	1						✓					
Yantian Int'l. Container Terminals Ltd. China	2005	HHI A-frame	2	✓	✓	✓							✓	
Yantian Int'l. Container Terminals Ltd. China	2005	MES A-frame	7	✓	✓	✓							✓	
Donghu Port Container Terminal Busan, Korea	2004	Hanjin A-frame	7	✓							✓		✓	
Yantian Int'l. Container Terminals Ltd. China	2004	ZPMC, MHI A-frame	3, 3	✓	✓	✓							✓	
Yantian Int'l. Container Terminals Ltd. China	2003	Kone A-frame	3	✓	✓	✓	✓						✓	

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FDRC Felixstowe, UK	2002	ZPMC A-frame	2	✓			✓					✓		
Hongkong Int'l. Terminals Ltd. Hong Kong	2002	Paceco A-frame	1	✓		✓	✓					✓		
Schnitzer Steel Oakland, California	2001	Paceco A-frame	1	✓	✓		✓							✓
Hongkong Int'l. Terminals Ltd. Hong Kong	2001	Mitsubishi RMGC	24	✓	✓	✓	✓						✓	
APL Oakland, California	2000	Alliance Low Profile	2	✓						✓				
Terminales Rio de la Plata Buenos Aires, Argentina	2000	Morris A-frame	1	✓	✓		✓							
		Liebherr A-frame	4	✓	✓		✓							
		Kocks RTG	2	✓	✓		✓							
		Hitachi RTG	2	✓	✓		✓							
		Paceco RTG	8	✓	✓		✓							
Hongkong Int'l. Terminals Ltd. Hong Kong	2000	Paceco A-frame	2	✓	✓	✓	✓						✓	
		IHI A-frame	4	✓	✓	✓	✓						✓	
		Hitachi A-frame	2	✓	✓	✓	✓						✓	

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Hutchison Port Holdings Freeport, Bahamas	1999	Hyundai A-frame	3	✓			✓		✓					
Naviaras Puerto Rico	1999	Paceco A-frame	2	✓			✓			✓				
P & O Buenos Aires, Argentina	1998	Morris A-frame	1	✓			✓		✓					
Matson Navigation Co. Guam	1998	Hitachi A-frame	1	✓		✓				✓				
Port of Long Beach California	1997	Samsung A-frame	3	✓								✓		
KCTA Pusan, Korea	1997	Daewoo A-frame	3	✓								✓		
Port Everglades Florida	1997	Paceco A-frame	1	✓			✓		✓					
PRA Israel	1994	Boomsche, Paceco A-frame	6	✓	✓	✓								
Port of Oakland California	1994	Paceco Low Profile	3	✓			✓						✓	
BCTOC Pusan, S. Korea	1993	IHI A-frame	4	✓	✓									
Port Everglades Florida	1993	Samsung Low Profile	3	✓			✓		✓					