



AR1740 GIRAFFE WORK PLATFORM

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Innovation Description:

The AR1740 Giraffe Work Platform is a machine jointly designed and developed by Arva Industries Inc. and McCourt Obayashi JV for Boston's Big Dig Tunnel project. This machine was originally designed to illuminate the need for many scissor lifts on the job site that were creating an inefficient / unsafe work environment and also to work in tandem with ARVA's AR60PH Panel Erector. It is a work platform that's 17'W x 40'L, rises 23'H, carries 20,000 lbs. including 10 workers, rotates 360 degrees, has hydraulically operated telescopic stair case and all required power supplies for workers tools (electric, pneumatic, etc.)

Where and when it originated, has been used, and is expected to be used in the future:

Fred Smith and Vern Eck entrepreneurs and top executives of Arva Industries Incorporated located in St. Thomas, Ontario, Canada, consistently generates quality in developing new construction equipment, while recognizing cost and safety concerns. When approached by Paul E. Buco, project manager for McCourt Obayashi JV, Boston in the fall of 1999 with the need to finish over three miles of Interstate tunnel at the "Big Dig" in Boston the two companies' professionals met to discuss the project and a solution framework was quickly developed. The machine had to cover a large area once in place and had to work at various heights from 10' to 23', needed it to carry many people with tools and materials. The company didn't want another machine such as a stand-by scissor lift or Genie man lift, yet wanted to lift people to working heights, supply electric, pneumatic and hydraulics for power work tools, had to be available at any height or degree of rotation, ease of transportation was included in the design criteria. There was nothing in the market to meet the needs of McCourt Obayashi JV, Boston but within 6 months of talking to Arva Industries Inc. officials, they had a functional design and a finished product on the job site. The features and benefits of this work platform will make this a hot commodity in the construction industry as it is a reliable multi-purpose platform which can be used for many construction applications.

Why it is innovative:

Currently the ARVA AR1740 is the only one of its kind available in the market. The ARVA AR1740 Giraffe Work Platform exceeded all production and safety expectations of McCourt Obayashi JV thus making Arva Industries Inc. the number one choice for specialty construction equipment with Paul Buco of McCourt Obayashi JV, Boston.

What it changed or replaced:

The ARVA AR1740 Giraffe Work Platform revolutionized the safety, efficiency, and versatility of the standard work platforms that are currently on the market and we believe there is a strong future in the construction industry for such a safe and reliable piece of equipment, it will be a must have at any job site.



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