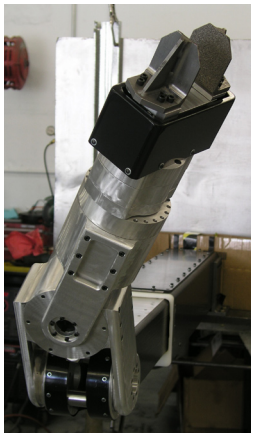
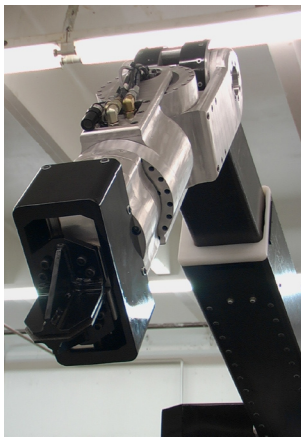
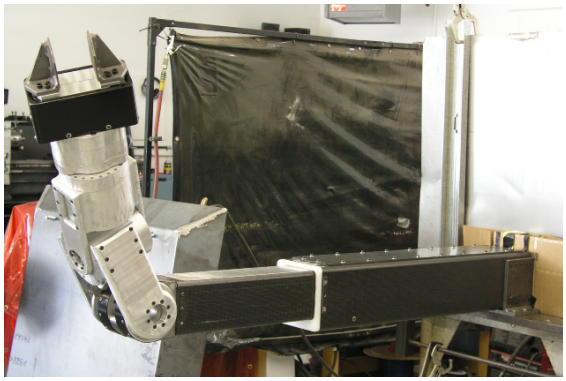
Powered Remote Manipulator (PRM)

S.A. Robotics' development of the Powered Remote Manipulator (PRM) has produced an adaptable and competitive manipulator for the nuclear and hazardous waste industry. This arm further proves that S.A.Robotics is an industry leader in the development and construction of custom manipulators. The PRM was designed to fit jobs of all sizes and to adequately address our customers' project needs. Its ability to scale and maintain mobility and strength makes it a highly versatile tool to remotely solve some of the most difficult problems. Its carbon fiber construction cuts down on arm weight and material costs, as well as provides the strength needed for lifting larger objects. Additionally, its six-degrees-of-freedom system allows it to be a very maneuverable piece of equipment for packing and lifting waste. S.A.Robotics strives to be a leader in remote manipulator by providing fast-track solutions to problems of all types, and the PRM is leading the way as a competitive and reliable solution.

Client/Location	Thurso, Scotland
Contract Value	$865K
Period of Performance	July 2009 - Current

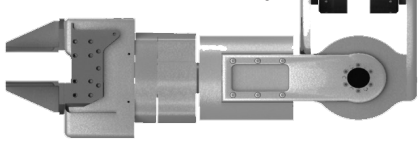






The S.A.Robotics PRM is a modular/scalable solution to the various project needs with in the nuclear industry. The PRM offers a wide range of applications for decontamination and decommissioning in the most hazardous environments the world to offer. The basic of the PRM include.

- Fabricated with Carbon fiber - radiation tolerant material
- High handling capacity (i.e. 100 kg payload at full reach)
- Comination hydraulic and electric drives.
- 6 degree of freedom system
- 180^{O} cable joint, 180^{O} rotary joint, linear
- Quick change tool methods are utilized to allow for many different attachments including but not limited to:
  - Grippers
  - Shears
  - Hydrolasing Heads
  - Water - Jet Cutting
  - Dry Media Blasting
- The PRM offers a huge leap forward in power, strength, functionality, ergonomics, and reliability at competitive pricing.



Complies with ASME, 10CFR50
Appendix B/NQA-1 Quality Requirements

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