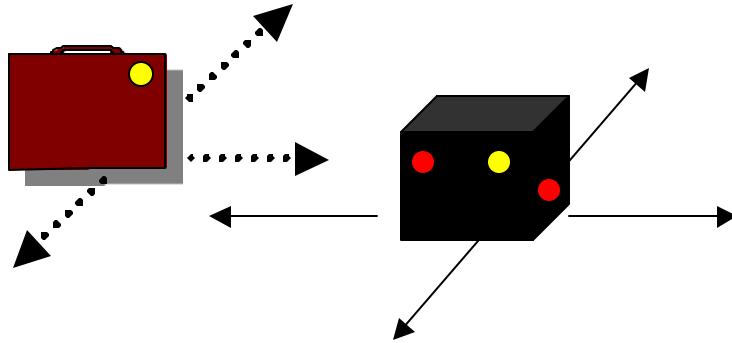


**Broad Agency Announcement:**  
**Mission Area: MICRO MOBILITY PLATFORMS**  
**Requirement Number:**

**DTI Inc.**  
**Ali F. AbuTaha**  
**12/10/2001**

**Proposal Title: MOTION PLATFORMS - Black Boxes, Briefcases, Suitcases, etc.**

**Micro Mobility Platforms**



Micro Mobility Platforms: < 8 pounds

**Operational Capability to be Provided:**

- Turn Energy to Motion in One Step. Go where wheels don't go. Power Plant a small fraction of total weight. Completely (even hermetically) enclosed drive systems. Turn on a dime or make a 90-degree turn. Noiseless operation. Surprise terrorists and enemy with surreptitious noiseless motions.
- The surreptitious and unexpected motions of common objects will greatly enhance the capabilities of intelligence agencies, the FBI and police forces to identify and penetrate terrorists and their networks.
- Remotely controlled (RC & IR) motion models were successfully demonstrated to DARPA (Contract, 1998), where models moved in carpeted corridors, into and out of offices, and over thresholds.
- **Models available for immediate demonstration(s).**

**Proposed Technical Approach:**

- **Gather data:** Determine vulnerabilities in crowded areas, such as, airports, airplanes, etc. Determine desired speeds, maneuverability, payload of movable platforms, etc.
- **Build & Test 5 Prototypes:** Offeror conducted hundreds of thousands of tests to determine features of Natural Motion. All Results will be available to build prototype(s).

**On-going effort:** Offeror has developed technical, scientific and legal bases for his Pending Patent (09/000,791) on Natural Motion in Response to PTO Office Action(s).

**Cost & Schedule:**

Prototypes delivered in 4 months. Total Cost is

**Deliverables:**

Five Motion Platforms using the natural motion, or pulsing-motion, method; for motion on different surfaces, as specified.

Technical Report describing operation, maintenance

**Company (to be registered) Information:**

Dynamic Transients, Inc. (to be registered on issue of contract), Ali F. AbuTaha, ~~3321 Stone Heather Ct., Herndon, VA 20171-4021~~

Phone: ~~(703) 904-0456~~, Fax: ~~(703) 904-0456~~

Email: aabutaha@aol.com

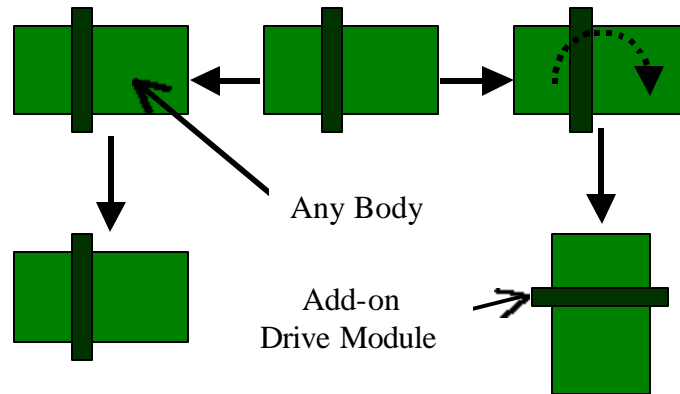
**Broad Agency Announcement:**  
**Mission Area: MINIATURE MOBILITY PLATFORMS**

**DTI Inc.**  
**Ali F. AbuTaha**  
**12/10/2001**

**Requirement Number:**

**Proposal Title: MOTION PLATFORMS – Rocket Launchers, Cannons, Artillery Units**

**Miniature Mobility Platforms**



Miniature Platforms: 8-30 pounds

**Operational Capability to be Provided:**

- Portable and interchangeable Motion Modules. Maneuver where wheels cannot. Turn Energy to Motion in One Step. Power Plant a small fraction of total weight. Turn on a dime or make a 90-degree turn. Give our fighters state-of-the-art mobility.
- Natural Motion emulates living motions. Drive Units will augment our troops capabilities with shoulder-carried mechanical elephants, mechanical horses, etc.
- Follow-up work on offeror's invention by DARPA (after 1999) shows that Offeror remains primary expert in Natural Motion. He fully understands the workings and advantages of the natural motion mechanism.
- **Models available for immediate demonstration(s).**

**Proposed Technical Approach:** New effort

- **Gather Working Models:** Find model rocket launchers, cannons, and other artillery units in the range of 8-30 lbs; and build Motion Modules that can be used repeatedly and interchangeably to relocate units in the field etc.
- **Build & Test 5 Motion Models:** Offeror will build, test and deliver 5 independent Mobility Units; i.e., add-ons that can be used with Miniature bodies

**On-going effort:** Offeror has developed technical, scientific and legal bases for his Pending Patent (09/000,791) on Natural Motion in Response to PTO Office Action(s).

**Cost & Schedule:**

Models delivered in 6 months. Total Cost is

**Deliverables:**

Five Motion Platforms using the natural motion, or pulsing-motion, method, for motion on different surfaces, as specified.  
Technical Report describing operation, maintenance,

**Company (to be registered) Information:**

Dynamic Transients, Inc. (to be registered on issue of contract), Ali F. AbuTaha, ~~3321 Stone Heather Ct., Herndon, VA 20171-4021~~  
~~Phone: (703) 904-0456, Fax: (703) 904-0456~~  
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