

U.S. Department of Justice  
Washington, DC 20530

**Registration Statement**  
**Pursuant to the Foreign Agents Registration Act of 1938, as amended**

**I--REGISTRANT**

1. Name of Registrant

J. Tedrowe Bonner

2. Registration No. (To Be Assigned By the FARA Registration Unit)

6443

3. Principal Business Address

79 Simpaug Turnpike, Ridgefield, CT 06877

4. If the registrant is an individual, furnish the following information:

(a) Residence address(es)

79 Simpaug Turnpike, Ridgefield, CT 06877

(b) Other business address(es), if any

NONE

(c) Nationality USA

(d) Year of birth 1962

(e) Present citizenship USA

(f) If present citizenship not acquired by birth, state when, where and how acquired Not applicable.

(g) Occupation Owner/principal of Rubicon Seven, LLC (sustainable development and energy)

5. If the registrant is not an individual, furnish the following information:

(a) Type of organization: Committee  Association  Partnership  Voluntary group   
Corporation  Other (specify) Not applicable.

(b) Date and place of organization Not applicable.

(c) Address of principal office Not applicable.

(d) Name of person in charge Not applicable.

(e) Locations of branch or local offices Not applicable.

(f) If a membership organization, give number of members Not applicable.

(g) List all partners, officers, directors or persons performing the functions of an officer or director of the registrant.

Name	Residence Address(es)	Position	Nationality
Not applicable.			

(h) Which of the above named persons renders services directly in furtherance of the interests of any of the foreign principals?

Not applicable.

(i) Describe the nature of the registrant's regular business or activity.

Not applicable.

(j) Give a complete statement of the ownership and control of the registrant.

Not applicable.

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6. List all employees who render services to the registrant directly in furtherance of the interests of any of the foreign principals in other than a clerical, secretarial, or in a related or similar capacity.

Name	Residence Address(es)	Nature of Services
Not applicable.		

**II--FOREIGN PRINCIPAL**

7. List every foreign principal<sup>1</sup> for whom the registrant is acting or has agreed to act.

Foreign Principal	Principal Address(es)
Sergey Taruta	Yaroslaviv Val Street, 3b, Kiev, Ukraine
Oleksandr Chalyi	Grant Thornton, Sichovkyh Striltsiv Street, 60, Kiev, Ukraine

**III--ACTIVITIES**

8. In addition to the activities described in any Exhibit B to this statement, will you engage or are you engaging now in activity on your own behalf which benefits any or all of your foreign principals?      Yes       No

If yes, describe fully.

Prior to agreeing to act on behalf of any foreign principal, I proposed and vetted with several members of the U.S. Congress, members of their staffs and other U.S. government officials the details of a small-scale development and humanitarian aid plan for Ukraine that resembles aspects of the Marshall Plan (European Recovery Plan) in order to prevent financial and societal collapse in Eastern Ukraine. The main components of such a plan would include (1) mobilizing unused, U.S.-owned Military Deployment/ Emergency Preparedness Technology ("EPT") from the Middle East to Eastern Ukraine as humanitarian aid, and (2) creating a collaborative team comprised of United States military, Ukrainian military, Ukrainian volunteers and Ukrainian government reformers to implement the plan and work on improving the sociological mindset in Eastern Ukraine. The elements of this plan were discussed with foreign principals (Taruta and Chalyi) and formed the basis of the discussions I have been asked to undertake on their behalf with U.S. government officials concerning the details of a similar humanitarian plan on a larger scale.

**IV--FINANCIAL INFORMATION**

9. (a) **RECEIPTS-MONIES**

During the period beginning 60 days prior to the date of your obligation to register<sup>2</sup> to the time of filing this statement, did you receive from any foreign principal named in Item 7 any contribution, income, or money either as compensation or for disbursement or otherwise?      Yes       No

If yes, set forth below in the required detail and separately for each such foreign principal an account of such monies.<sup>3</sup>

Foreign Principal	Date Received	Purpose	Amount
Not applicable.			

Total

<sup>1</sup> The term "foreign principal," as defined in Section 1(b) of the Act, includes a foreign government, foreign political party, foreign organization, foreign individual and, for the purpose of registration, an organization or an individual any of whose activities are directly or indirectly supervised, directed, controlled, financed, or subsidized in whole or in major part by a foreign government, foreign political party, foreign organization or foreign individual.  
<sup>2</sup> An agent must register within ten days of becoming an agent, and before acting as such.  
<sup>3</sup> A registrant is required to file an Exhibit D if he collects or receives contributions, loans, moneys, or other things of value for a foreign principal, as part of a fundraising campaign. There is no printed form for this exhibit. (See Rule 201(e), 28 C.F.R. § 5.201(e)).

**(b) RECEIPTS-THINGS OF VALUE**

During the period beginning 60 days prior to the date of your obligation to register<sup>4</sup> to the time of filing this statement, did you receive from any foreign principal named in Item 7 anything of value<sup>5</sup> other than money, either as compensation, or for disbursement, or otherwise? Yes  No

If yes, furnish the following information:

Foreign Principal	Date Received	Thing of Value	Purpose
Not applicable.			

**10. (a) DISBURSEMENT-MONIES**

During the period beginning 60 days prior to the date of your obligation to register<sup>6</sup> to the time of filing this statement, did you spend or disburse any money in furtherance of or in connection with your activities on behalf of any foreign principal named in Item 7? Yes  No

If yes, set forth below in the required detail and separately for each such foreign principal named including monies transmitted, if any, to each foreign principal.

Date	To Whom	Purpose	Amount
Not applicable.			

**(b) DISBURSEMENTS-THINGS OF VALUE**

During the period beginning 60 days prior to the date of your obligation to register<sup>7</sup> to the time of filing this statement, did you dispose of any thing of value<sup>8</sup> other than money in furtherance of or in connection with your activities on behalf of any foreign principal named in Item 7? Yes  No

If yes, furnish the following information:

Date	Recipient	Foreign Principal	Thing of Value	Purpose
Not applicable.				

**(c) DISBURSEMENTS-POLITICAL CONTRIBUTIONS**

During the period beginning 60 days prior to the date of your obligation to register<sup>9</sup> to the time of filing this statement, did you, the registrant, or any short form registrant, make any contribution of money or other thing of value from your own funds and on your own behalf in connection with an election to any political office or in connection with any primary election, convention, or caucus held to select candidates for any political office? Yes  No

If yes, furnish the following information:

Date	Amount or Thing of Value	Political Organization or Candidate	Location of Event
Not applicable.			

4, 6, 7 and 9 See Footnote 2, on page 3

5 and 8 Things of value include but are not limited to gifts, interest free loans, expense free travel, favored stock purchases, exclusive rights, favored treatment over competitors, "kickbacks", and the like.

**V--INFORMATIONAL MATERIALS<sup>10</sup>**

11. Will the activities of the registrant on behalf of any foreign principal include the preparation or dissemination of informational materials? Yes  No

IF YES, RESPOND TO THE REMAINING ITEMS IN THIS SECTION V.

12. Identify each such foreign principal.

Not applicable.

13. Has a budget been established or specified sum of money allocated to finance your activities in preparing or disseminating informational materials? Yes  No

If yes, identify each such foreign principal, specify amount and for what period of time.

Not applicable.

14. Will any public relations firms or publicity agents participate in the preparation or dissemination of such informational materials?

Yes  No

If yes, furnish the names and addresses of such persons or firms.

Not applicable.

15. Activities in preparing or disseminating informational materials will include the use of the following:

- Radio or TV broadcasts
- Magazine or newspaper
- Motion picture films
- Letters or telegrams
- Advertising campaigns
- Press releases
- Pamphlets or other publications
- Lectures or speeches
- Other (specify) Not applicable.

**Electronic Communications**

- Email
- Website URL(s): \_\_\_\_\_
- Social media website URL(s): \_\_\_\_\_
- Other (specify) Not applicable.

16. Informational materials will be disseminated among the following groups:

- Public officials
- Civic groups or associations
- Legislators
- Libraries
- Government agencies
- Educational groups
- Newspapers
- Nationality groups
- Editors
- Other (specify) Not applicable.

17. Indicate language to be used in the informational materials:

- English
- Other (specify) Not applicable.

<sup>10</sup> The term informational materials includes any oral, visual, graphic, written, or pictorial information or matter of any kind, including that published by means of advertising, books, periodicals, newspapers, lectures, broadcasts, motion pictures, or any means or instrumentality of interstate or foreign commerce or otherwise. Informational materials disseminated by an agent of a foreign principal as part of an activity in itself exempt from registration, or an activity which by itself would not require registration, need not be filed pursuant to Section 4(b) of the Act.

**VI-EXHIBITS AND ATTACHMENTS**

18. (a) The following described exhibits shall be filed with an initial registration statement:

*Exhibit A-* This exhibit, which is filed on Form NSD-3, sets forth the information required to be disclosed concerning each foreign principal named in Item 7.

*Exhibit B-* This exhibit, which is filed on Form NSD-4, sets forth the information concerning the agreement or understanding between the registrant and the foreign principal.

(b) An Exhibit C shall be filed when applicable. This exhibit, for which no printed form is provided, consists of a true copy of the charter, articles of incorporation, association, constitution, and bylaws of a registrant that is an organization. A waiver of the requirement to file an Exhibit C may be obtained for good cause shown upon written application to the Assistant Attorney General, National Security Division, U.S. Department of Justice, Washington, DC 20530. (See Rule 201(c) and (d)).

(c) An Exhibit D shall be filed when applicable. This exhibit, for which no printed form is provided, sets forth an account of money collected or received as a result of a fundraising campaign and transmitted for a foreign principal. (See Rule 201 (e)).

**VII-EXECUTION**

In accordance with 28 U.S.C. § 1746, the undersigned swear(s) or affirm(s) under penalty of perjury that he/she has (they have) read the information set forth in this registration statement and the attached exhibits and that he/she is (they are) familiar with the contents thereof and that such contents are in their entirety true and accurate to the best of his/her (their) knowledge and belief, except that the undersigned make(s) no representation as to truth or accuracy of the information contained in the attached Short Form Registration Statement(s), if any, insofar as such information is not within his/her (their) personal knowledge.

(Date of signature)

(Print or type name under each signature or provide electronic signature<sup>11</sup>)

7/7/12

*J. Robert Boin*  
J. Robert Boin

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<sup>11</sup> This statement shall be signed by the individual agent, if the registrant is an individual, or by a majority of those partners, officers, directors or persons performing similar functions, if the registrant is an organization, except that the organization can, by power of attorney, authorize one or more individuals to execute this statement on its behalf.

### Contact Information

J. Tedrowe Bonner: Phone: +1 203.517.4113. Email: [jtbonner@rubiconseven.com](mailto:jtbonner@rubiconseven.com)

### Experience

Mr. Bonner is trained as a sociologist and in other disciplines relating to sustainable development and energy, and works on civic transformation and regenerative development. Of key importance for the plan below is his ethnographic and development work in Ukraine. He was a resident of Simferopol until he was forced to leave because of the invasion. He currently works on the border of Russia in the Bilopillya region.

### Key Points

1. Creating a small-scale plan that resembles aspects of the Marshall Plan (European Recovery Program) in order to prevent collapse in Eastern Ukraine.
2. Mobilizing unused, U.S.-owned Military Deployment/Emergency Preparedness Technology (EPT) from the Middle East to Eastern Ukraine as humanitarian aid.
3. Creating a collaborative team comprised of United States military, Ukrainian military, Ukrainian volunteers, and Ukrainian government reformers to implement the plan and work on improving the sociological mindset in Eastern Ukraine.

### Points of Clarification

1. The core of this proposal was first made prior to the outbreak of the war in Donbas (to help stop mounting tensions there), and the technology to be discussed was still in Iraq or Afghanistan at that point. We understand it will take some investigation to see where this technology is today.
2. The information provided is based on my sociological work in Eastern Ukraine, and whatever academic research and news that is available to the public.
3. This document is primarily addressing Ukrainian Government Controlled Areas (GCA). We are sensitive to the fact that there is a much larger humanitarian crisis occurring in Non-Government Controlled Areas (NGCA).

### Current Conditions in Ukraine

Figure 1 displays the "contact line" and conflicts for the day of March 29, 2017. It is well documented that Minsk II has been consistently violated, and the Organization for Security and Cooperation in Europe (OSCE) and other analysts attribute the bulk of the violations to Russia and the separatists. Numerous analysts have suggested that the 13-point plan was always doomed for failure (Dempsey 2017), and recently Steven Pifer, former United States ambassador to Ukraine and senior fellow at the Brookings Institute, bluntly stated, "It has not worked" (2017).

Perhaps the OSCE can only capture glimpses of a much deeper underlying conflict. The OSCE recently condemned the targeting of their SMM monitors by "DPR" members; A SMM mini-unmanned aerial vehicle (UAV) was also seized (Taylor 2017). Alternatively, when I visited a Ukrainian squad in 2014, the soldiers forced wry smiles at each other as the OSCE drove through town. Their comment was, "It's going to be a bad few days [for us]; The OSCE is leaving." This was a common pattern for them: Attacks from the separatists would calm down

when officials on the Ukraine side were expected to arrive, and escalate again after their departure.

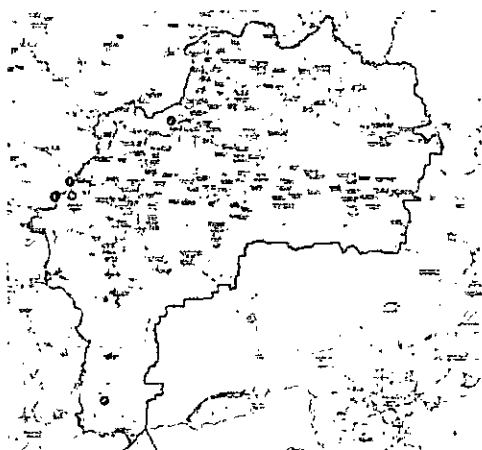


Figure 1: Source <https://liveuamap.com>

Likely one understated dimension is how the effects of the conflict can extend far beyond the contact line. For example, I heard bomb explosions during my visit to Novopetrivka (about 50 miles from the contact line) in the summer of 2016, and colleagues of mine who live in Mariupol commented on how common this phenomenon is. In addition, regional infrastructure repairs necessary for human survival have been thwarted, if not stopped, due to fighting. Services and goods cannot flow normally due to the compromised rail system and certain roads.

Finally, the last two weeks in Ukraine might provide a glimpse of what is to come. On March 15, 2017, Russia ordered the separatists to seize Ukrainian-owned businesses inside the NGCA, following their action in February of officially recognizing passports and other documents issued by the self-proclaimed Donetsk People's Republic (DPR) and in the Lugansk People's Republic (LPR) (Grytsenko 2017). On March 23, 2017, former Russian lawmaker and critic, Denys Voronenkov, was assassinated in Kyiv in what has been called "an act of state terrorism" (Rudenko and Sukhov 2017). On March 24, 2017, Russia mobilized dozens of tanks close to the Ukrainian border (Reuters 2017), and a saboteur blew up an ammunition depot near Kharkiv (Staff 2017). In the last week of March, there were 3,930 mortar, artillery, and rocket explosions (double that of the previous week), while the Ukrainian defense ministry proclaimed an intensified effort by the separatists to move sabotage teams into Ukraine (Interfax-Ukraine 2017; Ponomarenko 2017).

#### What is the Effect of This "Hybrid War"?

According to the Office for the Coordination of Humanitarian Affairs (OCHA), there are 3.8 million people in need of humanitarian assistance, which is an increase of 700,000 people over last year (UN OCHA 2016). 70% of these people are women, the elderly, and children. In total, about 10% percent of all Ukrainians have been affected by this conflict, and the brunt of the



tragedy has taken place within the NGCA. Looking at specific demographics, 2.9 million people are in need of protection, 3.7 million people are in need of water, sanitation, and hygiene, and 2.2 million people are in need of health and nutrition services.

This said, a pernicious problem of this conflict is how many people must live very dangerous lives. It is estimated that 800,000 people live within 5 km on each side of the contact line, and 100,000 live in between the combatants in an area known as the "grey zone" (Center for Civilians in Conflict 2016). In addition, 700,000 people cross the contact line monthly as the Donbas continues to be vitally connected to Ukraine even through this war (60% of the NGCA GDP comes from pensions).

The repercussions of such living conditions are tragic. First, the Ministry of Defense has estimated that 1,205 people have been injured from landmines alone - one third of whom are civilians (Hromadske International Staff 2017). 17,000 people in Avdiivka went without power, water, or heat in January due to violence, and 500,000 inhabitants in the Mariupol area must rely on a backup water supply. 4.1 million people are in need of the simple dignity of hygiene; critical disruptions to water supplies are common. Not surprisingly, the entire fabric of social life - economic, education, government, etc. - is negatively impacted over a region well beyond the buffer zone.

Yet, central to this proposal, and what was implicitly central to the Marshall Plan, is the need to earnestly understand and address the psychological and sociological effects of war. In his February, 2017 letter to the United Nations Security Council, Stephen O'Brien described the situation in Ukraine as "deteriorating," which is "resulting in widespread fear, panic and a real struggle to survive by civilians" (O'Brien 2017). It is this constant sense of fear and instability that could permanently damage Ukraine's children (National Scientific Council on the Developing Child 2014), as 25% of all children affected by the war are experiencing PTSD. Ukraine has also seen an increase in domestic violence due to PTSD (Capon 2015), and numerous studies - many based on the hardships our military has endured - have demonstrated links of PTSD to depression, substance abuse, sleeplessness, loss of income, and risk of suicide (Hudenko, Homaifar, and Wortzel 2017; Murthy and Lakshminarayana 2006).

Mr. O'Brien is not exaggerating by claiming Ukrainian war victims' "resilience [has] eroded and their hope fading." In fact, based on where I was in the grey zone, I would claim that the situation is even worse. People were extremely bitter and felt abandoned. When Ukrainian troops first arrived in the village where I was staying, residents were glad to see them. However, by summer of 2015, soldiers needed to travel in pairs as they were subject to attacks from locals. In addition, soldier morale was low and they were extremely frustrated with the central government. From their vantage point, they were ill-equipped and forced to endure attacks in direct violation of the Minsk Protocol, but they were not allowed to respond in kind. There was NO hope in the area I was in, and I was told that most residents saw being part of Russia as a better alternative.

#### Bringing a Marshall Plan Vision to Ukraine

Undoubtedly the Marshall Plan resides as one of the greatest foreign policy endeavors in American history. The plan succeeded in its goals of bringing resiliency to Europe and laying the foundation for collaboration within the continent. It largely succeeded in the very

challenging task of quickly improving people's living conditions through the arduous process of economic and industrial structural reform. Yet, an important point of historical reflection is that the United States navigated, with some success, a fine line between diplomacy and firmness with Russia. While both Presidents Roosevelt and Truman sought to trust and accommodate Stalin, they also understood that point from which they could go no further (Behrman 2008). Stalin saw Eastern European countries as being under Russia's sphere of influence (Stalin killed 7 million Ukrainians in order to bring Ukraine under that "influence" (Marples 2007)). The United States believed that the people of each nation had a right to self-determination and free elections. This was the moral boundary the United States fought for: Upholding the will of the people.

There are important parallels to Ukraine that are noteworthy. First, while progress is being made, Ukraine needs structural reform through practically every dimension of its society as it tries to break away from the Soviet model of authoritarian kleptocratic rule. Second, in order for Ukraine to succeed, it needs to integrate both sociologically and economically with Europe and, frankly, itself (Korostelina 2014).

But finally, Ukraine needs continual, demonstrative support from Western countries, helping it build a democratic, corruption-free, and reflexive government. Ukraine needs our physical presence as much as it needs our policy and guidance. To bring balance to this discussion, many dimensions of Ukraine are already in the process of transformation as a result of the revolution. For example, numerous small and medium businesses are flourishing and the information technology sector is booming. Consequently, Ukraine's Marshall Plan is as much about protecting the progress that has been made as it is about healing the damage being done by Russia and its separatists.

To be honest, Ukrainians believed in America so much that I was asked to raise the American flag at a camp during the Maidan protest of 2014. Our flag was placed on the highest pole among those of other countries. During conversations at dinner parties, Ukrainians were convinced that America would come to their rescue after they demonstrated their hard-fought desire for a functional, corruption-free democracy. Yet, from their perspective, America never came.

#### Components of a Ukrainian Marshall Plan

Is it beyond America to usher in a type of Marshall Plan for Ukraine? If not, then what would it look like? From my perspective, as with the Marshall Plan, there should only be two main goals at this early phase:

1. Bring desperately needed technological resources to the east that can serve for emergency preparedness and provide solutions for meeting basic human needs.
2. To create an integrated collaboration with the U.S. military, the Ukrainian military, Ukrainian volunteers, and Ukrainian government reformers that is purposefully sociological and humanitarian in its design. The goal is to restore lost hope, build trust, and remediate xenophobia, which still haunts Ukraine internally. The goal is to strengthen that moral boundary (Tronto 1993) between Russia and Ukraine, which Ukrainians are seeking.

Emergency Preparedness Technology (EPT): Regarding technological resources, the United States military has, for at least a generation, been using equipment to create sustainable living conditions in places that have no infrastructure. Our military is likely the global expert

in providing energy, potable water, waste water treatment, and health care in places where no facilities exist (i.e., the desert and other remote locations). Of interest to American urban planners and our government, this same technology is often considered a sustainable solution for emergencies that we will confront due to climate change.

At this point, there are hundreds of vendors and products that flexibly address all aspects of human needs. EPT is designed to be mobile and rapidly deployed. It can service as few as 15 people and as many as 1000, and is often designed to be configurable to particular needs. Perhaps half the products on the global market are manufactured by American companies.

Given what was previously discussed about Ukraine, EPT could serve a vital role. For example:

- There are systems for waste water processing and potable water production that run on solar power. The technology is built into a standard shipping container, and is rapidly deployed.
- Scalable modular field hospitals have been designed for up to 100 beds, and are capable of performing highly complicated procedures. Likely these units in and of themselves can provide better health care than the vast majority of Ukrainian hospitals.
- Solar energy systems have been designed for robust military applications and are also framed around a standard shipping container. These systems can provide peak loads ranging from 15 kW to 200 kW. Interestingly, Ukraine's solar potential is superior to Germany's, and emerging Ukrainian policy will introduce solar production in order to meet energy security.
- Modular hygiene facilities can provide laundry and shower services for up to 500 people, and can be delivered on either a trailer or in a container.

From our understanding, in 2015 the United States military had much of this equipment stockpiled in Iraq and Afghanistan after our roles in this region ended. We do not know what specific equipment is there, the condition it is in, or its location today. Nevertheless, if such equipment is available, it seems that a cost-effective strategy for the United States would be to deploy it from the Middle East to the port of Mariupol. This port has a cargo pier depth of 7.6 meters, and handles ships over 500 feet in length. While smaller in size, the neighboring city of Berdyansk can handle comparable size vessels.

Regarding logistics, we see a benefit in having the United States military directly involved. First, delivering humanitarian aid by cargo plane is a core training platform for pilots, load masters, and ground personnel. These professionals need real life experience working with fully loaded planes. Second, the military has the technical expertise in utilizing and servicing EPT. Because of their expertise, in conjunction with Ukraine's notorious problem of corruption and theft, we believe the U.S. military should take an active role in order to maximize the benefit to Ukrainians in need.

Sociological Humanitarianism: The second goal perhaps furthers a direction of the Marshall Plan. While America's goal in the Marshall Plan was to be hands off, offering what William Clayton called "friendly aid," in fact, Europe needed American intervention in order for the plan to succeed, and we were physically present based on the situation in each country. During the Marshall Plan years, thousands of American troops remained in Europe, and countless other American government employees and civilian professionals were working on the continent.

What is not well understood, and perhaps is a novel feature of this plan, is how the personal collaboration of Americans and Europeans helped to solidify a relationship that is still phenomenally close and strong to this day. It is inspiring, for example, how a relatively small number of Allied troops remaining after the war generated such a strong sense of stability for the residents of Berlin. As one woman noted during our 1994 exit, "The Allies came as saviors and stayed on as protectors. They liberated us from one dictatorship and saved us from falling under another one" (Kinzer 1994).

Of core interest to this plan is the sociology of relationships; In other words, how relationship building and well-designed collaboration (7group and Reed 2009) serve to generate trust, functionality and capacity, hope, and understanding. In addition, and unique to Ukraine, is how such processes can minimize corruption and waste. Indeed, from American projects, we can demonstrate that such sociological processes are economically beneficial to citizens, and there are cases where American taxpayers have been saved hundreds of millions of dollars.

We are seeking to build a collaboration with four groups to work in Ukraine:

- United States military: Our military has extensive experience with humanitarian missions, responding to at least eight requests for disaster relief a year. Additionally, it is an expressed goal to use this assistance as a means to strengthen relationships with the host country. Equally impressive, we respond to disasters where perhaps we have no particular national interests at stake (Wright 2013).
- Ukrainian military: Maintaining the social bond between the Ukrainian military and Ukraine's citizens is critical. To this day, citizens often provide food for the troops in their area. Much of the gear the soldiers use is donated, ranging from mobile phones (the military can afford only limited military grade communication devices) to clothing.
- Ukrainian volunteers: There are an increasing number of volunteer agencies working in the east. As of March 31, 2017, the Ukrainian Catholic University's Volunteer Brigade has offered to be part of this project. This will potentially bring in 1000 volunteers to help. In addition, the UCU Volunteer Brigade has already retrofitted and mobilized two lorries for helping Ukrainian troops shower and do laundry, with great success.
- Government reformers: This plan as outlined obviously requires the participation of the Ukrainian government. We seek to develop a process where government involvement primarily involves earnest reformers who have the best interests of Ukraine at heart.

It is beyond the scope of this conceptual plan to outline specific steps in developing collaborative frameworks and logistics. Nevertheless, perhaps what is outlined above suggests what a powerful impact such a humanitarian presence could have in the east. As Henry Kissinger noted, "subsequent generations occasionally took too literally Marshall's description of the [Marshall] plan as 'technical,' emphasizing its economic aspects above all else. In the process, they ran the risk of missing its political, indeed its spiritual, component" (Kissinger 2015). We believe Secretary Kissinger's insight is correct, and that bringing both technical and "spiritual" resources to the east will generate a new strength for Ukraine.

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Wright, Jonathan 2013. "When disaster strikes, US military assets often key to relief efforts." in *Stars and Stripes*.

## **Ukraine Sustainable Technology Deployment: Equipment and Resources**

### **Blu-Med Disaster Response Systems**

**<http://blu-med.com/>**

**+1-888-680-7181**

**[info@blu-med.com](mailto:info@blu-med.com)**

### **Disaster Medical Facilities & Mobile Field Hospitals**

- Mobile emergency rooms
- Mobile operating rooms
- Mobile trauma centers
- Emergency operation centers, or command and control centers
- Portable hospital surge capacity
- Patient isolation wards
- Portable outpatient clinics
- Ebola treatment facilities
- Portable emergency shelters
- Can provide customized packages of supplies to outfit mobile hospitals and emergency rooms



**Weatherhaven Global Resources Ltd.**

**<http://www.weatherhaven.com/medical/field-hospitals/>**

**604-451-8900 (Canada, World headquarters)**

**360-746-8077 (USA)**

- Field Hospitals
- Mobile Clinics
- Emergency Response
- CBRN Protection & Decontamination
- From basic stand-alone first aid stations to integrated turnkey Level III field hospitals, Weatherhaven's mobile medical shelter systems are customized to meet operational requirements, transport logistics, and budget
- medical shelter solutions that meet the guidelines and standards for the use of foreign field hospitals, set by organizations like the World Health Organization and the United Nations.



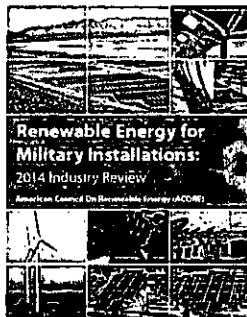
**Mobile Renewable Energy Generation**

**American Council on Renewable Energy (ACORE)**

Link to 2014 state of the industry report at <https://www.acore.org/renewable-energy-for-military-installations>

Report includes:

- Policy: State regulatory hurdles for military use of renewables, and best practices in collaboration with state energy offices
- Contracting and Financing: An overview of the existing procurement landscape with insight and recommendations about creating financeable third-party-owned projects
- Siting and Technology: Siting effective renewable energy projects at military bases and making use of innovative technology options
- Energy Security and Microgrids: The importance of energy-secure technologies, like microgrids, to enhance the use of renewable energy at military installations and ensure reliable power for critical infrastructure



**Earl Energy**

**<http://www.earlenergy.com/>**

**(757) 312-0574**

**[sales-ipc@fairleadint.com](mailto:sales-ipc@fairleadint.com)**

- FlexGen® Solider and Marine Portable Microgrids
  - integrates with existing battlefield generators, maximizing power output and reducing fuel consumption, maintenance, noise, vibration, and hazardous emissions
  - Integrated with optional FlexGen® Solar Kit reduces fuel consumption by 76%
  - Spec sheet of models and power ratings at [http://www.earlenergy.com/uploads/4/5/3/3/45338487/flexgen\\_battlefield\\_energy\\_spec\\_sheet\\_3kw.pdf](http://www.earlenergy.com/uploads/4/5/3/3/45338487/flexgen_battlefield_energy_spec_sheet_3kw.pdf)
- FlexGen® Spot Generation Mobile Microgrids
  - manages generators, renewables, and a proprietary lithium ion storage system
  - can be integrated with optional FlexGen® Solar Kit
  - models and power ratings at [http://www.earlenergy.com/uploads/4/5/3/3/45338487/flexgen\\_battlefield\\_energy\\_spec\\_sheet\\_60kw.pdf](http://www.earlenergy.com/uploads/4/5/3/3/45338487/flexgen_battlefield_energy_spec_sheet_60kw.pdf)



- FlexGen® Multi-Generator Microgrid
  - Models and power ratings available at [http://www.earlenergy.com/uploads/4/5/3/3/45338487/flexgen\\_battlefield\\_energy\\_spec\\_sheet\\_60kw\\_mobile\\_microgrid.pdf](http://www.earlenergy.com/uploads/4/5/3/3/45338487/flexgen_battlefield_energy_spec_sheet_60kw_mobile_microgrid.pdf)
- Silicon Carbide Power Converters
- Flexgen Solar Kit
  - 5.8kW thin film solar kit
  - Redeployable with ground stakes and tie downs



### **Milspray Military Technologies**

<http://www.milspray.com/>

732-886-2223

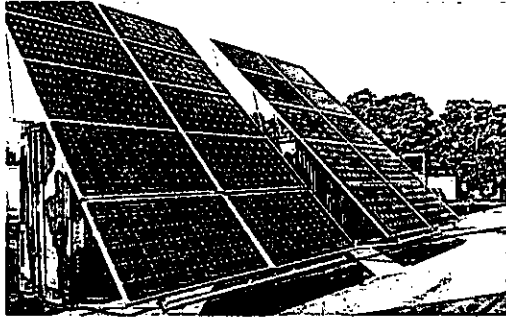
[customerservice@milspray.com](mailto:customerservice@milspray.com)

### **Scorpion Energy Hunter**

<http://www.milspray.com/products-services/scorpion-renewable-energy-systems/general-info>

- Uses renewable solar energy for
  - Large Scale Area and Site Lighting
  - Drinking Water Desalination/Purification/Well & Pump
  - Net Zero/Zero Energy Systems for Containerized Housing Units (CHUs)
  - Electric Vehicle (EV) Charging Stations Disaster Relief
  - Hospitals
  - Municipalities
  - Use with Scorpion Intelligent Power Center
    - constantly communicates with the Scorpion Energy Hunter while monitoring battery voltage and system statistics.
    - Small Intelligent Power Center (13.5 kW)

- Large Intelligent Power Center ( 23 kW)
- This system uses the most advanced solar panels available to convert sunlight into energy that can be used immediately and/or stored for later use. Has adjustable solar array. Scorpion Energy Hunter can be configured with a backup generator



## **Wastewater Treatment**

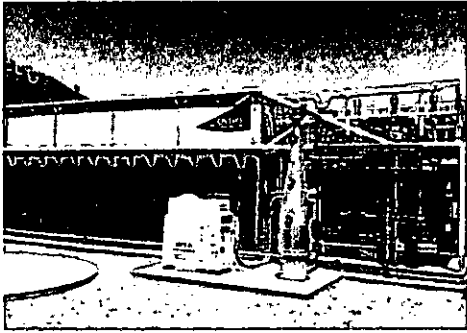
**Ovivo/EIMCO Water Technologies**

<http://www.ovivowater.com/brand/eimco-water-tech/>  
1-855-466-8486

**Ovivo® microBLOX™ Membrane Bioreactor (MBR) System**

<http://www.ovivowater.com/product/municipal/municipal-wastewater/mobile-systems/mobile-systems/ovivo-microblox-membrane-bioreactor-mbr-system-2/>

- a fully functional, compact and ready-to-operate system to treat wastewater across a wide range of applications. Designed and engineered to be simple to operate, units are factory assembled from fine screening up to and including UV disinfection (if desired).
- Single system flows up to 125,000 gallons per day
- Multi-unit systems flows up to 500,000 gallons per day



**U.S. Army Corp of Engineers**

**Contact: Scott Waisner**

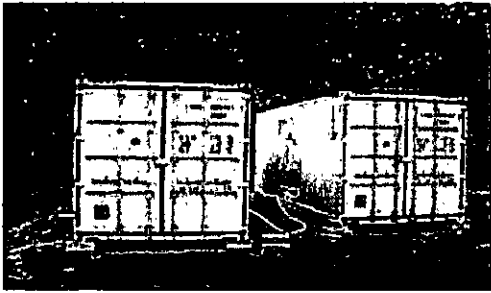
**Email: [scott.a.waisner@erdc.usace.army.mil](mailto:scott.a.waisner@erdc.usace.army.mil)**

**Phone: 601-634-2286**

**<http://www.erd.usace.army.mil/Media/Fact-Sheets/Fact-Sheet-Article-View/Article/476638/deployable-aerobic-aqueous-bioreactor-daab-wastewater-treatment-facility/>**

### **Deployable Aerobic Aqueous Bioreactor (DAAB) Wastewater Treatment Facility**

- portable, biological wastewater treatment facility designed for rapid deployment to areas where there are minimal resources and short time constraints
- The basic DAAB consists of two units: a biological treatment unit (BTU) and a control and power unit (CPU)
- Provided below are the estimated expenses for deploying DAAB (one CPU and one BTU) to a forward operating base for a six-month period.
  - Purchase Cost
    - \$146,000 CPU/ea (one per four BTUs)
    - \$188,000 BTU/ea
- 200 gallons per week of diesel/JP8 fuel at maximum load (i.e. four BTUs), and 3.5 gallons per week SAE 30 oil and filter (when on-board generator is used)
- External power for CPU unit-three-phase 220V power (65A) max load
- Transportation
  - Ground: commercial flatbed truck or HEMTT w/PLS (palletized loading system)
  - Sea: commercial container ship or military cargo ship
  - Air: military airlift by C-5 or C-17



## **Water Treatment**

**Aqua Chem Global Water Solutions**

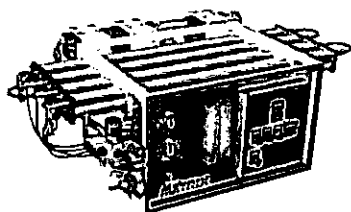
**<https://www.aqua-chem.com/>**

### **Military Water Purification Options**

#### **Reverse Osmosis Machines**

Water is purified by passing a stream of incoming feedwater through a semipermeable membrane(s), counteracting natural osmosis that would occur without the force applied by the high pressure pump. Feedwater is passed through a particulate filter and then pumped through the RO vessels where the separation occurs into two streams – permeate, or the purified water, and the reject / concentrate discharge

- 6,800 GPD Sea Water Reverse Osmosis
- 36,000 GPD Sea Water Reverse Osmosis
- 50,000 Gallons / day Sea Water Reverse Osmosis
- Tactical Water Purification System
- Seawater Plate Distillers
- Silver Series Sea Water Reverse Osmosis
  - Silver B is extra heavy-duty, scalable and suitable for any application; be it Naval Logistics Support Vessels, Patrol Boats, Frigates or containerized for environmentally hostile land-based applications, to support humanitarian and disaster relief, mining and military operations.
  - <https://www.aqua-chem.com/index.php/node/237>



**Aquamira**

**<http://www.aquamira.com/>**

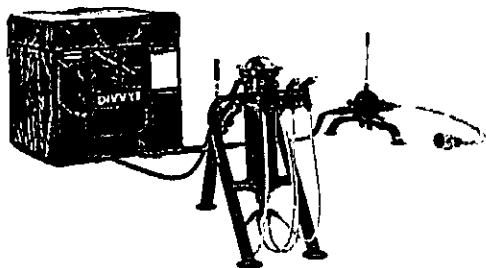
**[sales@aquamira.com](mailto:sales@aquamira.com)**

**DIVVY Emergency Water System**

**<http://www.aquamira.com/divvy-emergency-water-and-disaster-preparedness-system/>**

**<http://www.aquamira.com/product/divvy-250-emergency-water-system/>**

- can be configured to provide up to 6,000 gallons of water per day; a per person equivalent of 3 gallons per day for 2,000 people
- Entire system packs into 3 suitcases, can be carried by 1-2 people
- DIVVY® 250 is a 100% human-powered emergency water supply system. DIVVY is customizable to meet the precise drinking water needs of any concentrated population. Within 20 minutes a single person, without technical training or tools, can assemble the complete system



**Conteno Mobile Water Purification & Packaging Systems**

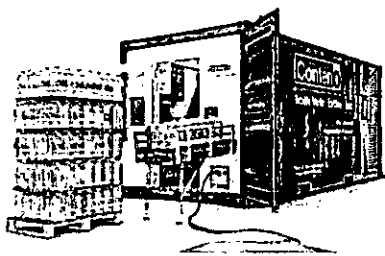
<http://www.conteno.com/en>

+32 (0)3 288 44 00 (located in Belgium)

[sales@conteno.com](mailto:sales@conteno.com)

#### Purification and Packaging Options

- **AquaDrop**
  - Individual portions of drinkable water packs until 1 liter
  - To be dropped by transport aircraft, for example type C130
  - Unique solution for immediate disaster relief, worldwide
- **AquaTrailer**
  - compact water purification unit has the capacity to produce up to 50,000 liters of drinking water per day.
  - The purification unit can be combined with a packaging system in plastic pack
  - This compact unit can produce up to 25,000 liters of drinking water per day, immediately in plastic packs.
  - Model 1: for raw water (river, lake, well)
  - Model 2: for brackish water (floods...)
  - Model 3: for sea water (Reverse osmosis solution)
  - <http://www.conteno.com/en/aquatrailer>
- **AquaContainer**
  - Smart Mobile Water Bottling Plant inside an ISO-standardized container as an integrated production factory.
  - Two types of AquaContainer:
    - AquaContainer: Mobile Water Bottling Plant.
    - AquaContainer + purification system : Mobile Water Bottling Plant with integrated purification system.
  - Production up to 36,000 liters per day for the 20ft AquaContainer and up to 100,000 liters in a 40ft AquaContainer
  - <http://www.conteno.com/en/aquacontainer>
- **AquaVillage**
  - The Aquavillage provides a complete ISO mobile village from purification until storage passing by packaging to provide drinkable water for people who need it and can easily be placed for short time as long term.
  - With a massive production of 4,000 pouches per hour, the Aquavillage is a good solution for big needs. The Aquavillage is fully independent with diesel generator.
  - <http://www.conteno.com/en/aquavillage>



**Pure H2O/Much More Water**

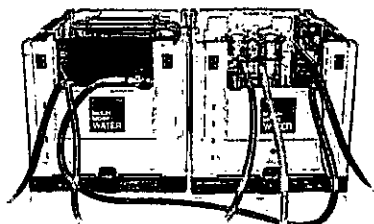
**<http://www.pureh2o.net/>**

**+45 5183 9952 (Denmark)**

**[info@pureh2o.net](mailto:info@pureh2o.net)**

**Blue Box Water Purification System**

- water quality is equal to or better than WHO guidelines
- Easy to operate and maintain the equipment
- The equipment is operational in less than 10 minutes
- The equipment has a very small footprint
- The equipment is durable, and is ideal both in the emergency phase and then in the subsequent reconstruction phases



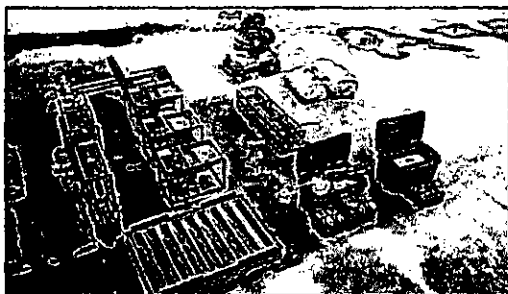
**TECWAR Tactical Water Purification Systems**

**<http://www.tacticalwater.com/>**

**610.841.8370**

TECWAR water purification and wastewater treatment systems are used for military field operations; potable and utility water in emergency response/disaster relief situations and for CBRN decontamination runoff treatment in the event of an unconventional terrorist attack.

- Portable; Modular; Scalable
- Totally Self-Contained
- Multi-fuel Engines
- Proven Capability
- Hardened for any Environment
- Operation and Maintenance Friendly
- Minimum Operator Training Required
- Cost Effective; Highly Efficient and Secure Alternative to Bottled Water
- Stand Alone; Standard Trailer Options



### **Trunz Water Systems**

**<http://www.trunzwatersystems.com/>**

**+41 (0)71 447 85 45 (Switzerland)**

**[water@trunz.ch](mailto:water@trunz.ch)**

**Mobile, independent water treatment and water desalination systems are powered using integrated photovoltaics and wind generators.**

- Trunz Water Systems provides different types of water treatment and desalination systems, depending on the application and water source.
- <http://www.trunzwatersystems.com/water-treatment/products/>
- Model numbers:

**Mobile use**

**Stationary use**

**Container**



	incl. solar energy supply	external energy supply*	incl. solar energy supply
<b>Freshwater</b>	<u>TWS 300</u> <u>Survivor 300</u>	<u>TWB 003</u> <u>TWB 003 Light</u> <u>TWM 001</u>	<u>TWC</u>
<b>Brackish water</b>	<u>TBS 300</u>	<u>TBB 003</u>	<u>TBC</u>
<b>Seawater</b>	<u>TSS 300</u> <u>Aquifier 200</u>	<u>TSB 003</u> <u>TSU 001</u>	<u>TSC</u>

*\*external energy supply:  
either grid power, generator or Trunz Solar Power Center*

**Sanitation (laundry and shower facilities)**

**SERT Life Support**

<http://www.sert.fr/>

**7-9, Rue Claude Bernard - BP 20257**

**26106 Romans-sur-Isère Cedex, France**

**Tel : +33(0)4.75.47.26.26**

**Email : [info@sert.fr](mailto:info@sert.fr)**


- Mobile water heaters, modular shower and wash basin facilities
- The hygiene container CH 50 is designed to accommodate 50 people in the field.
- This 10 ft ISO container is easy to set in operation in 30 minutes with two people.
- The unit has three shower cubicles with water saving nozzle and a four spring taps wash basin with cold & hot water.
- The water is heated thanks to a hot water production fitted with the new high efficiency SERT's multi liquid fuel burner or by two electrically heated water tanks.
- In option, a removable electric power generator can be integrated to give the full autonomy to the unit in multi fuel heating version.
- The 4 spring taps wash basin can be also replaced in option by a 3 spring taps wash basin plus a washing machine and a dryer.
- SERT hygiene trailer RS3500 can accommodate 80-150 people with wash basins and eight cubicles for showers
- 
- SERT RLS2000 laundry trailer can serve 150 people with a washer, dryer, and extractor, and a diesel generator for power
- Containerized laundry unit CB1000 can provide laundry services for 500-1000 people, using two washers and four dryers.
- This company also makes mobile space heaters for tents, and mobile kitchens of several sizes.






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Ukraine [Ukrainian 'Marshall Plan' on agenda at Kyiv Security Forum](#)

# Ukrainian 'Marshall Plan' on agenda at Kyiv Security Forum

By Bahim Rahemtulla. Published April 7 at 4:06 pm



Ukrainian Prime Minister Volodymyr Groysman (L) speaks during a four-sided talks with his Latvian, Lithuanian and Estonian counterparts in Kiev on April 6, 2017. / AFP PHOTO / Sergei SUPINSKY

Photo by AFP

The possibility of the European Union launching a "Marshall Plan for Ukraine was a dominant theme at the 10th annual Kyiv Security Forum on April 6 and 7th.

In an opening keynote speech on day one in which he called for European solidarity in the face of an aggressive Russia, Ukrainian President Petro Poroshenko made an appeal for just such a step. He said while recent shows of support from the international community are welcome developments — such as the April 6 vote by the European Parliament to waive visas for Ukrainians — still more needs to be done.

"It is in the best interest of my country, it is in the best interest of the European Union and of the free world," Poroshenko told the forum.

"We all know the famous label for the European recovery supplied by the United States. Today we need a similar label for Ukraine, a Ukrainian recovery supplied by the united, free world. I will say it over and over again: Ukraine needs its own Marshall Plan."

But the possibility of such a major cash injection from Europe was brought into question by Taavi Roivas, Estonia's prime minister from 2014 to 2016 and the country's current parliamentary vice president.

During a panel discussion on day two he said any sort of Marshall Plan for Ukraine would depend on the E.U. being convinced that the Ukrainian authorities are capable of delivering reforms.

But in an interview with the Kyiv Post on the sidelines, he stressed that the challenges currently facing Ukraine, such as corruption and weak rule of law, should not be taken as reasons for the West not to act.

"I think the E.U. and European countries should not be deterred by the fact that there is still corruption in Ukrainian society," Roivas said. "That's obviously the case. We should point it out openly and we should continue helping Ukraine. But we should not make it an excuse not to help."

However in a Europe currently grappling with Brexit and a rising wave of populism and with national elections coming up in France and Germany, support for Ukraine appears to have fallen down the list of priorities. Roivas believes letting Ukraine's European ambitions slip of the agenda would be a mistake.

"The 'old E.U.' benefitted a lot from the Baltic countries and Poland becoming members," he said. "Of course it was a big benefit to those countries too but it was of benefit to the West because creating a much bigger, prosperous area is in everyone's interest. So I think the EU should be as interested in the success of Ukraine as Ukraine itself is."

Since Ukraine's EuroMaidan Revolution of 2013-2014, which sent pro-Kremlin President Viktor Yanukovich in Russian exile, the E.U. has provided the country with billions of euros in grants and loans and remains its leading international donor.

In recent days Ukraine has succeeded in securing both a fourth loan tranche from the International Monetary Fund worth \$1 billion and 600 million euros in macro-financial assistance from the E.U. In March the E.U. renewed sanctions against Russia for its war against Ukraine and illegal annexation of Crimea. The measures are due to stay in place until at least September.



Primary country

Ukraine

07 Apr 2017

# 200,000 children need urgent support to overcome trauma of volatile conflict in eastern Ukraine – UNICEF

Theme:  
Protection and Human Rights

Content format:  
News and Press Release

Language:  
English

Vulnerable groups:  
Children

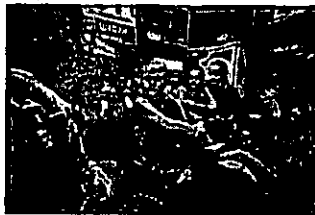
REPORT from UN Children's Fund

Published on 07 Apr 2017 — View Original



KYIV/GENEVA, 7 April 2017 – More than 200,000 children – or 1 in 4 – in the two regions most severely affected by the ongoing conflict in eastern Ukraine require urgent and sustained psychosocial support to address the trauma of living through more than three years of violence.

The 200,000 children in critical need of support live in Donetsk and Luhansk oblasts, within 15 kilometres of each side of the 'contact-line' that divides government and non-government-controlled areas and where fighting is most intense.



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