Defense Security Service
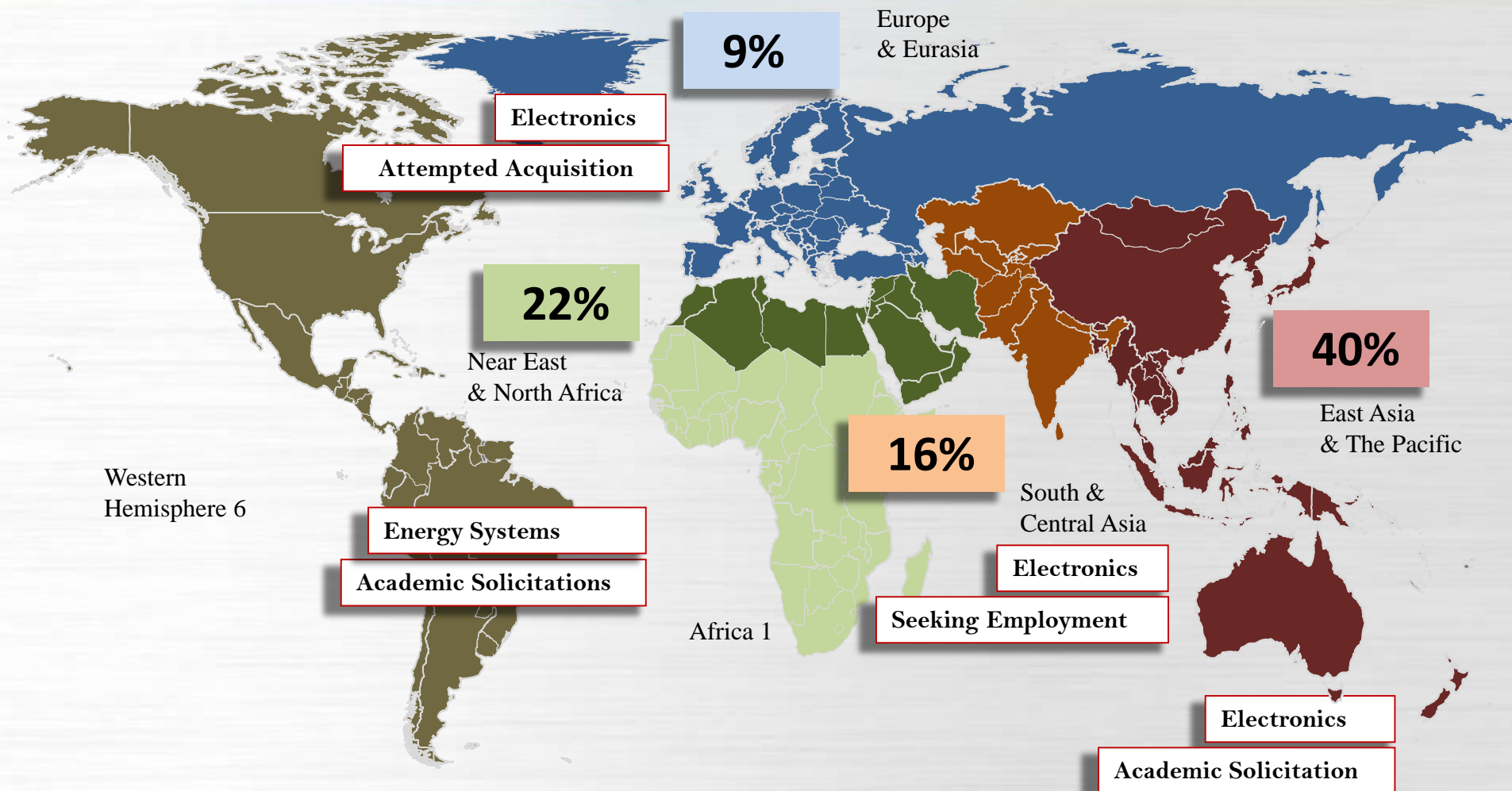
Best Practices for Protecting Yourself and Your Proprietary Information

Who is after the information?


9% Europe & Eurasia

Electronics

Attempted Acquisition

22% Near East & North Africa

40% East Asia & The Pacific

16%

South & Central Asia

Western Hemisphere 6

Energy Systems

Academic Solicitations

Africa 1

Electronics

Seeking Employment

Electronics

Academic Solicitation

Defense Security Service

What motivates these countries?

Vikrant

Kuznetsov-Liaoning

WWW.NEWS.CN

Defense Security Service

The Insider Threat:

BELLE BOYD, ANTONIA FORC, JULIUS ROSENBERG, ROSE O'NEAL GREENHOW, ALDRICH AMES, CHI MAK, GIACOMA CASANOVA, NANCY HART, LAURA RATCLIFFE, KLAUS FUCHS, LORETA JANETA VELAZQUEZ, DONGFAN GREG CHUNG, JOSEPHINE BAKER, MATA HA... N ANDRE SARAH EMMA ED... MILDRED HARNACK, MELITA NORWOOD... ENNY, ETHEL ROSENBERG, RO... OR STOKES, NATHAN HALE, BELLA BOY... HILBY, BRENDA PRIDDY, REE... ARTHUR GOLDBERG, MOE BERG, SIDNE... , ROBERT BADEN-POWELL, G... CIS DE MONCY, ROSE NEAL GREENHOW, ANTHONY BLUNT JOSEPHINE B... NOSHIR GOWADIA, JOSEPHINE A. BAKER, ALAN G. PINKERTON, WILLIAM H. MELVILLE, OLEN PENKOVSKY, J REECE ROTH, TOKYO ROSE, RAFAAL EL HAGAN, JOHN VASSAL, GORD... SDALE, WINTONG CAI, PETER KROGER, HELEN KROGER, HENRY HOUGHTO... GEE, GEORGE BLAKE, HAO Z... UNIVE... MASS LO... LEG GORD... YESA E... CERO, JA... US ANGELT... F GRIGULEVICH, MARIA DE... A, FRANK... BULLOCK, JONATHAN PO... ALGER HISS... WARD, JOHN WALKER, ARTHUR WALKER, MIC... ARL KOECHER, HANA WENTONG CAI, TRAC... A CHAPMAN, DONALD HEATHFIELD, JERRY W... EY, RONALD HOFFMAN, REYS, HUAJAN ZHAO, YURIY P LEONOV, GREGG WILLIAM BERGERSEN, BENEDICT ARNOLD, ...PHER JOHN BOYCE, WILLIAM BELL, TAI SHEN KUO, HASSAN ABU JIHAAD S... XI XIAOXING, HAHN ALLEN, ALEJANDRO, ALONSO, MARIA DEL ROSARIO ... MES, NADAR MODANLO RYAN GIBSON ANDERSON, BRICE, FRANCIS ANZALON... EN ANTHONY BABA, DAVID HENRY BARNETT, DAVID SHELDON BOONE, J... ARFIELD BROWN, EDWARD OWEN BUCHANAN, JEFFREY M CARNEY, THOMAS PATRICK CAVANAGH, JOHN DOUGLAS CHARLTON, LARRY WU-TAI CHIN, JAMES MICHAEL CLARK, KURT ALLEN STAND, THERESE MARIE SQUILLACOTE, CHRISTOPHER MICHAEL COOKE, ROBERT ERNEST CORDREY, ALLEN JOHN DAVIES, MATTHEW M DIAZ, THOMAS JOSEPH DOLCE, ELLIS ROBERT WADE, DAVID FLEMING
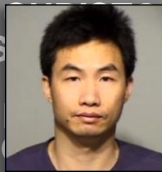
More of a Threat Than Ever Before

- ➤ **Growing demand for information**
- ➤ **Increasingly connected world**
- ➤ **Its not just about the classified**
- ➤ **Employees can become competitors**

Defense Security Service

The Cyber Compromise:

Identity Theft Resource Center

DATA BREACH CATEGORY SUMMARY

2015 DATA BREACHES   2016 DATA BREACHES

	2015 DATA BREACHES
Business :	312 / 16,191,017
Medical/Healthcare:	277 / 112,832,082
Banking/Financial:	71 / 5,063,044
Govt/Military:	63 / 34,222,763
Education:	58 / 759,600

Totals:	781 / 169,068,506	**Totals:**	**858** / 29, 835,478

Defense Security Service

Untitled - Message (Plain Text)

File Message Adobe PDF
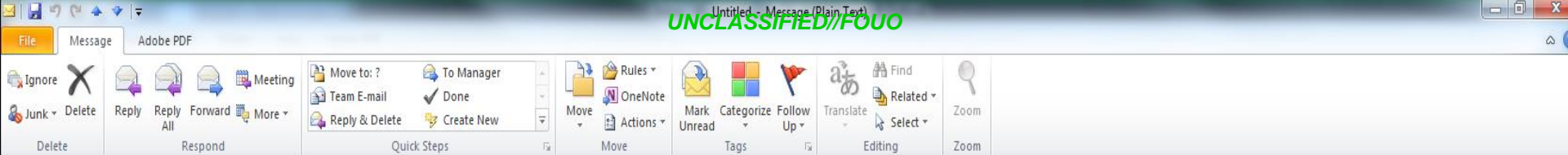
From: **Patrick Fishler <patrick.fishler@gmail.com>**

To: Xxxxxx xxxxxxxx

CC:

Subject: About your ORCA

> **gmail.com vs .edu**

> **grammer/typos**

Hi Evan,

I am very interesting in your research works on the ORCA normal mode model for underwater acoustic propagation. Could you share the Toolbox for ORCA for research purpose?

Best Regards,

Patrick

--

> **no such person, no papers**

Patrick Fishler, Ph.D. Candidate

Dept. of Electrical and Electronic Engineering

Room 910, EEE Building

On date of e-mail from IP address: 221.207.252.113 using: www.google.com.hk

05:59 -- hit to main web page, search criteria: " normal mode model for acousto-elastic ocean environments ".

06:21 -- hit to main web page, search criteria: " ORCA and (Scientists Name)".

06:36 -- email from "Patrick" to the "Scientist".

221.207.252.113 = Harbin China Heilongjiang Province Network

Home of Harbin University of Science and Technology

Premier Underwater Technology Research Campus in China

Untitled - Message (Plain Text)

| File | Message | Adobe PDF |
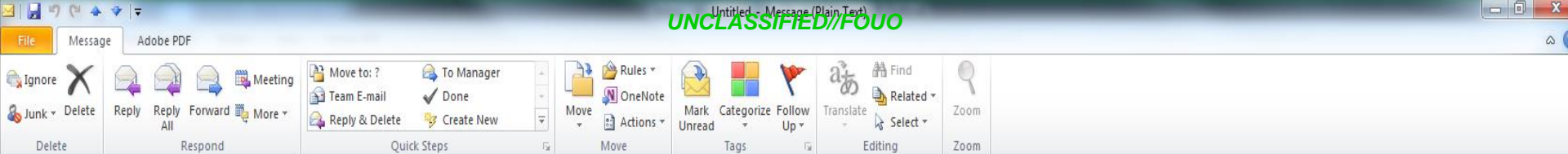
From: Kay.xxxxxx@xxx.com
To: Xxxxxx xxxxxxxx
CC:
Subject: Award for article I wrote regarding challenges and opportunities for youngsters

Message

```
dear all,
        David W. Taylor Medal is a bug surprise for me, but I'm thinking about what's the
challenges and opportunities for the younger generation of naval architects and marine
engineers these days.

You can click here http://www.ace-ina.com.tw/Challenges_and_Opportunities_for_Youngsters.zip
to download an article I wrote about it. and so what do you think?


              best

              Kay ##########
              Vice President & Chief Engineer
              Tel: ########## (New York)
              Mobile: ##########
              email:  Kay#####@yahoo.com
```
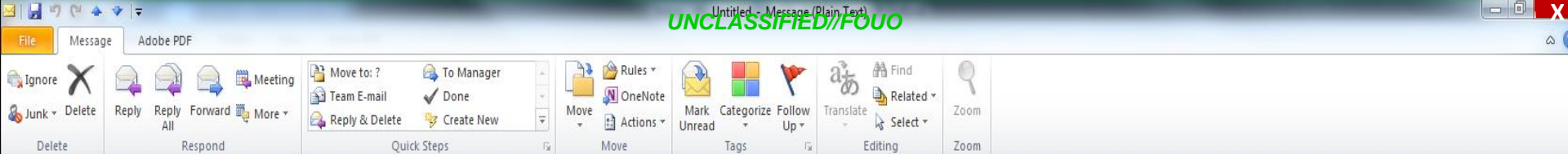
Over 100,000 files were exfiltrated

Owned in part by some 142 companies

46 of the companies were cleared contractors

From: Rickie Chew <rickiechew@erez-group.com>

To: Xxxxxx Xxxxxxx@xxxxxx.net

CC:

Subject: Comint System

Dear Sir,
I had a requirement for COMINT interception system (30-3000MHZ) which
includes monitoring & DF against fixed and hopping frequencies.
Do you also have a solution to recovery the audio voices if the target
operates in hopping frequencies?

Pls let me know if you can support me.

Cheers

Rickie Chew

Director
Erez Technology Pte Ltd
120 Lower Delta Road
#09-09 Cendex Center
Singapore 169208
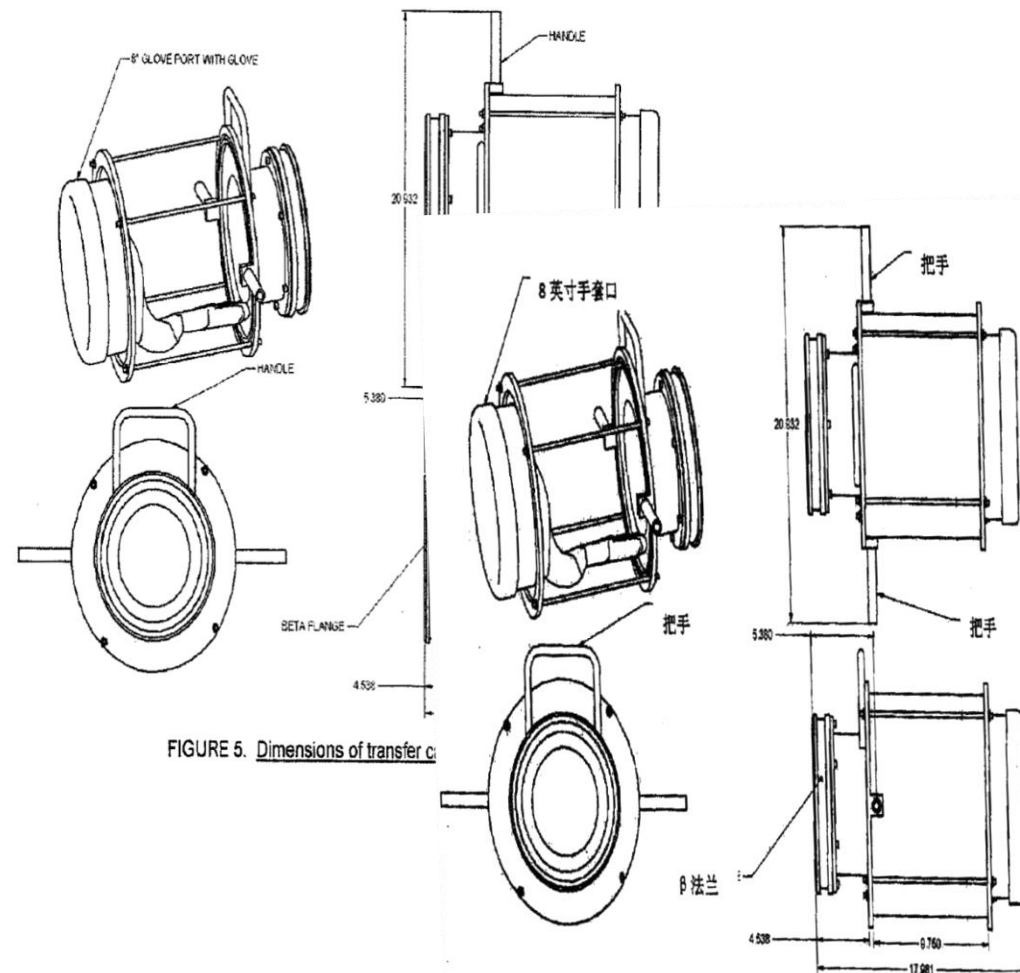Tel (65) 62979881
Fax (65) 62978891
Mobile (65) 96181451

FIGURE 5. Dimensions of transfer ca

CryptoLocker

Your personal files are encrypted!

Your important files **encryption** produced on this computer: photos, videos, documents, etc. Here is a complete list of encrypted files, and you can personally verify this.

Encryption was produced using a **unique** public key RSA-2048 generated for this computer. To decrypt files you need to obtain the **private key.**

The **single copy** of the private key, which will allow you to decrypt the files, located on a secret server on the Internet; the server will **destroy** the key after a time specified in this window. After that, **nobody and never will be able** to restore files...

To obtain the private key for this computer, which will automatically decrypt files, you need to pay **100 USD / 100 EUR** / similar amount in another currency.

Click «Next» to select the method of payment and the currency.

Any attempt to remove or damage this software will lead to the immediate destruction of the private key by server.

Private key will be destroyed on
9/8/2013
5:52 PM

Time left
56 : 16 : 12

Next >>

Questions?