INTRODUCTION

• A LITTLE ABOUT US (…AND VIKINGS)
• THE SITUATION IN THE WORLD
• OUR MISSION
• OUR NETWORK
• CLOSING AND QUESTIONS
A LITTLE ABOUT US...

• TORSTEN AND BJÖRN

"Thor’s stone"

Bear = defined as the oldest name in Sweden
A LITTLE ABOUT US…

• Torsten and Björn

• "Normal" family lives (one divorced, one still married)

• Families first… then music(T) & hunting(B)

• Stockholm - Sweden

• Software company (Ltd. 40 employees, business developers, PM, SW architects and developers + own products)

• 30% works with EOD (mil.) / de-mining (civ.) product line (70% of the revenue, last three years)
TODAY’S TOPIC

FIVE THOUSAND MINES IN A DEPOT IS “LOGISTICS”; 5,000 DEPLOYED MINES IS “GEOGRAPHY”…
THE SITUATION

AFGHANISTAN 10 000 000
ANGOLA 15 000 000
BOSNIA-HERZEGOVINA 3 000 000
CAMBODIA 9 000 000
EGYPT 23 000 000
IRAN 16 000 000
IRAQ 10 000 000
KUWAIT 5 000 000
MOZAMBIQUE 3 000 000
SOMALIA 1 000 000

A TOTAL OF +110 000 000

NEW ZEALAND
ANTARCTIC
THE SITUATION

• Landmines affect 88 countries in the world today
• To deploy one landmine: 3 - 10 USD
• To clear one landmine: 50 - 1,000 USD
• For every mine cleared 20 are laid
• Close to 90% of the casualties are civilians
• Of these are 30-40% children below 15 years of age
• More than 2,000 people a month are injured or killed by landmines
• ...one person every 20 minutes (approx. 300 during the ESRI UC)
Our Mission

- **Cheaper** (…cost efficient)
- **Safer** (…less casualties)
- **Higher Quality** (…liability)
- **More efficient** (…faster)
OUR MISSION

6 EGG YOLKS
3/4 CUP WHITE SUGAR
2/3 CUP MILK
1 1/4 CUPS HEAVY CREAM
1/2 TEASPOON VANILLA EXTRACT
1 POUND MASCARPONE CHEESE
1/4 CUP STRONG BREWED COFFEE
2 TABLESPOONS RUM
3 OUNCE LADYFINGER COOKIES
1 TABLESPOON UNSWE. COCOA POWDER
Our Mission

Toolbox Implementation for Removal of Anti-personnel Mines, Sub-munitions and UXO
Our Mission

Toolbox Implementation for Removal of Anti-personnel Mines, Sub-munitions and UXO
MOST IMPORTANT OF ALL…?

Where are the damned mines?

…a question that involves GIS
Our Mission

- Field Data Collection Tool (T-IMS)
- Task- and GIS-centric
- Ordnance Database
- Standardized data structures
- Will work in approx. 85% of current missions
- Off-line (on-line)
- Adaptable to “any” humanitarian demining org.
THE SYSTEM

- **Windows 7 (or later) 64bit versions**
- **System Requirements:** RAM 4GB, HDD 200GB, CPU 2GHz, XGA 1024x768
- **Entirely developed in Microsoft C# .NET**
- **ESRI ArcGIS Runtime .NET 10.2.3**
- **Microsoft SQL Server version 2008 or later**
- **Telerik Data Access Components and Reporting**
- **User interface built for “field use” with full touch support in data capture and mapping**
- **Full support for the EOD and Deming Process**
The System(s)
ONE SCENARIO
ONE SCENARIO
ONE SCENARIO
One Scenario

Attachment Analysis 347 Dg 01.bmp

Description
General analysis results on the east part of the island: The whole battle area #01 is highly contaminated with UXOs and the central (open) part has most likely tactical minefields (north-south extension?).
ONE SCENARIO
ONE SCENARIO
Bbeen there… done that…
ASSOCIATES & PARTNERS

• **ESRI SWEDEN** (silver partner, going for Gold...)
• **MICROSOFT**
• **GICHD** (Geneva Int’ Centre for Hum. Dem.)
• **UNMAS** (UN Mine Action Service)
• **EU-COMMISSION** (25 Partner Countries)
• **SWEDES ARMED FORCES** (15 Partner Countries)
• **CROMAC**
• **BHMAC**
• **PILOT DEC. 2014 => LAOS / SOUTH SUDAN**
CLOSING WORDS…

- We are GIS
- We know humanitarian demining
- We have the network
- Let us demo…
- Feel free to use the above…
QUESTIONS...?

STILL CONFUSED BUT ON A HIGHER LEVEL...?