

Cher Ami

Secure Communications Center
(SCC)

Outline

- * Project and Design Descriptions
- * Business Plan and Corporate Identity
- * Development Plan
- * Professional and Ethical Issues Report
- * Impact of the Project
- * Progress of the Prototype and Demonstrations

Cher Ami Project

Smartphones

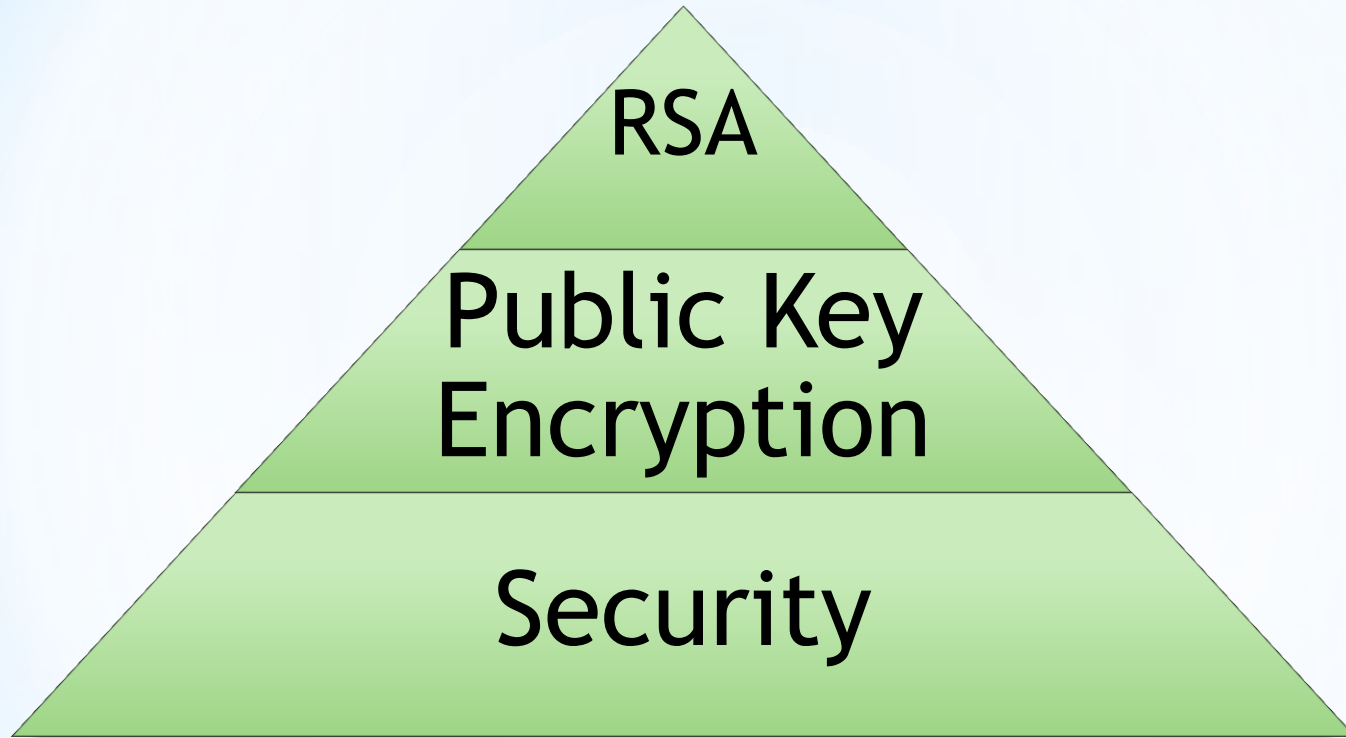
- Enhancement of Smart phones with additional Hardware and Software

Messaging & Location Tracking Program

- Popular Field in the Applications Area

Cryptology

- Implementation of RSA Algorithm on FPGA Chips



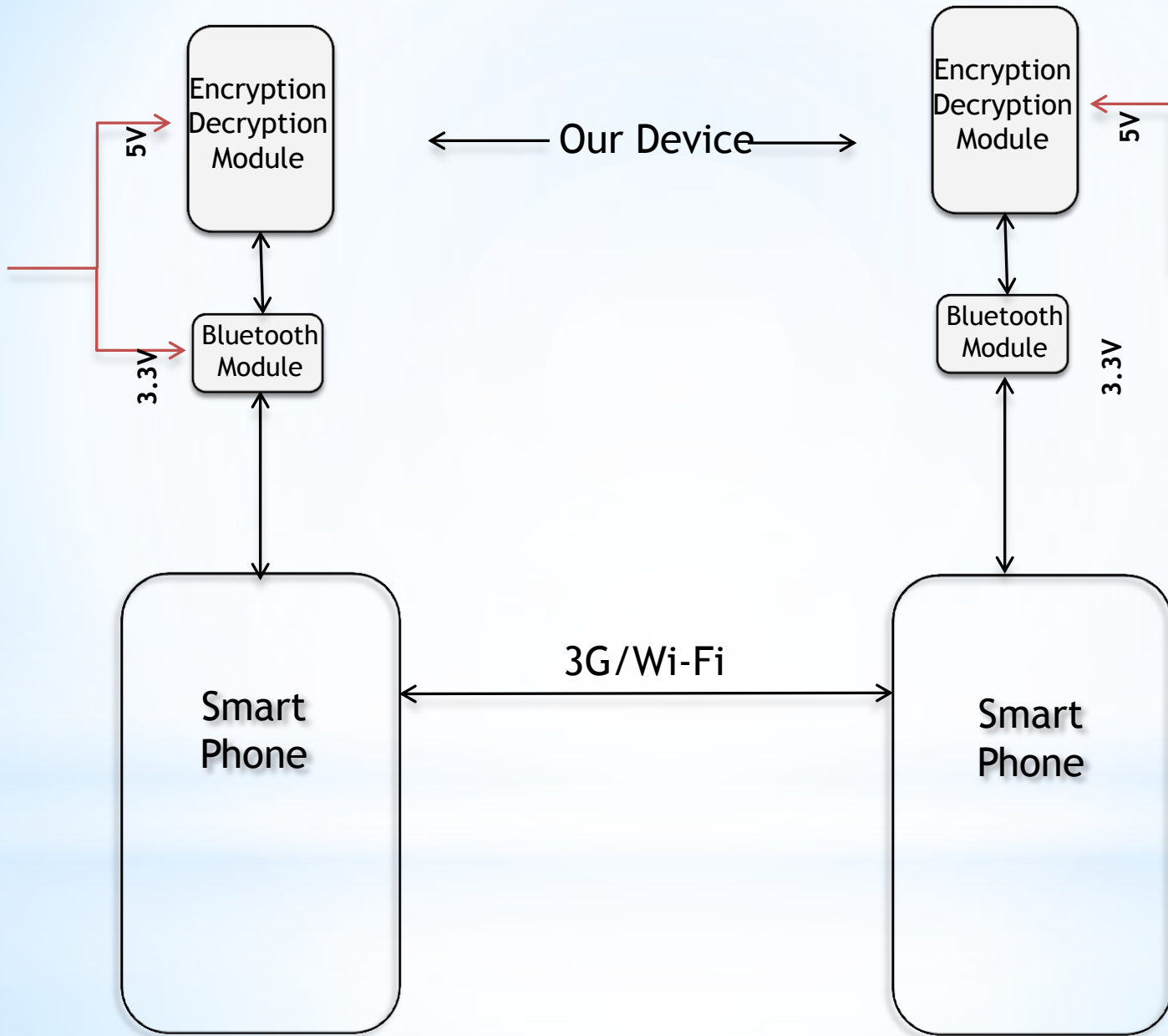
*Cher Ami Project
Hardware Main Features*

Display of the User
Locations on Google Maps

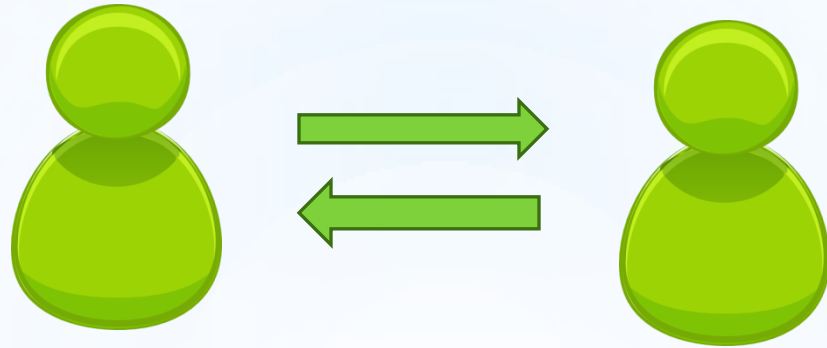
User Interface for
Messaging

Storage of the Recent
Information

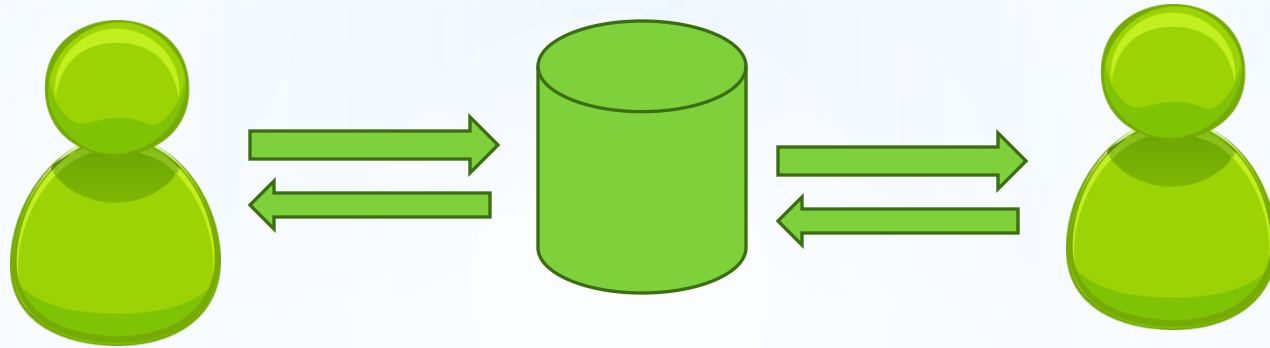
Cher Ami Project Software Main Features



Hardware Block Diagram



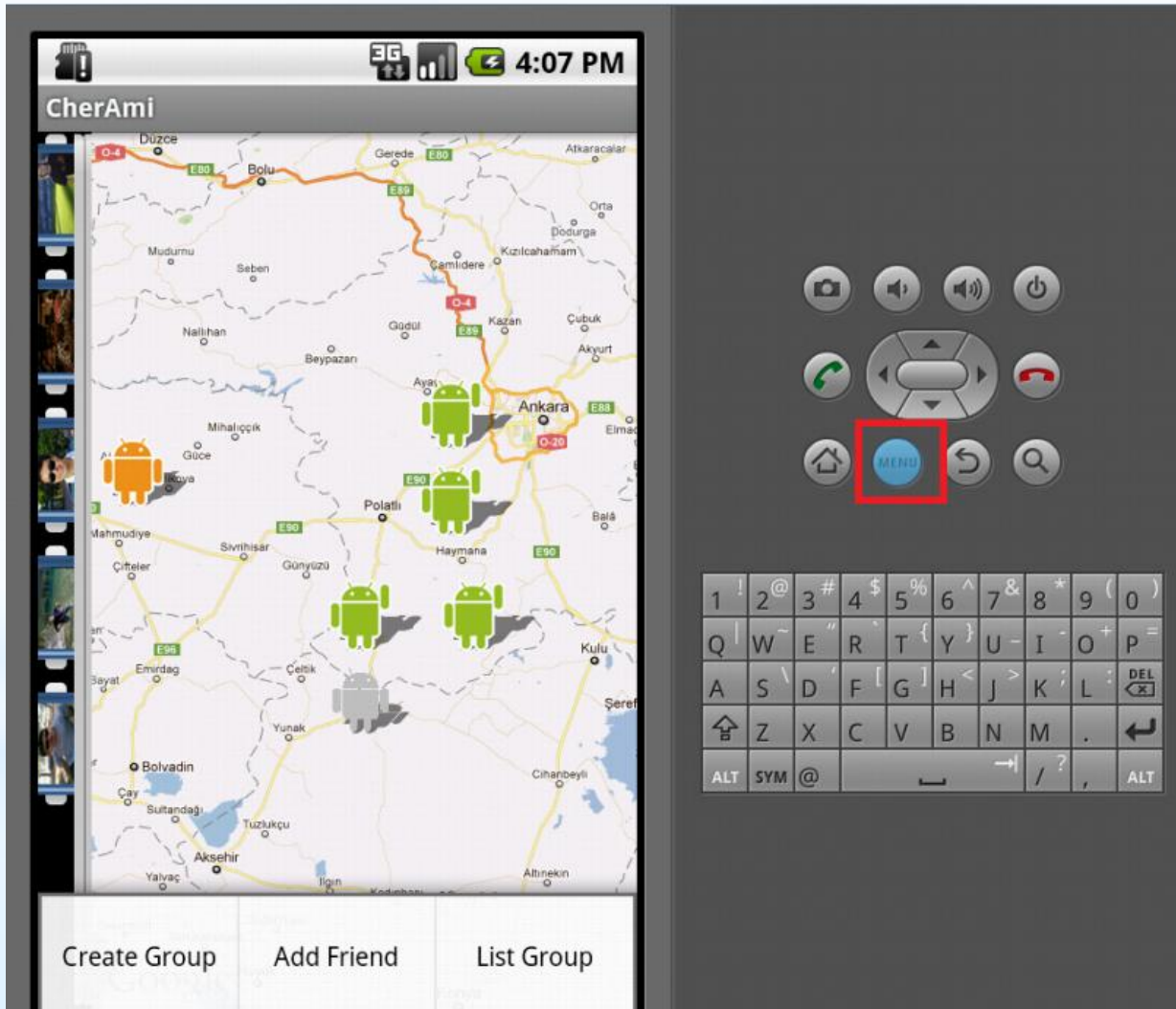
- *Public and private key
- *Messaging between users directly
- *300 characters



- *Locations sent to DB first

- *Last 10 locations kept in DB

Software Graphical User Interface

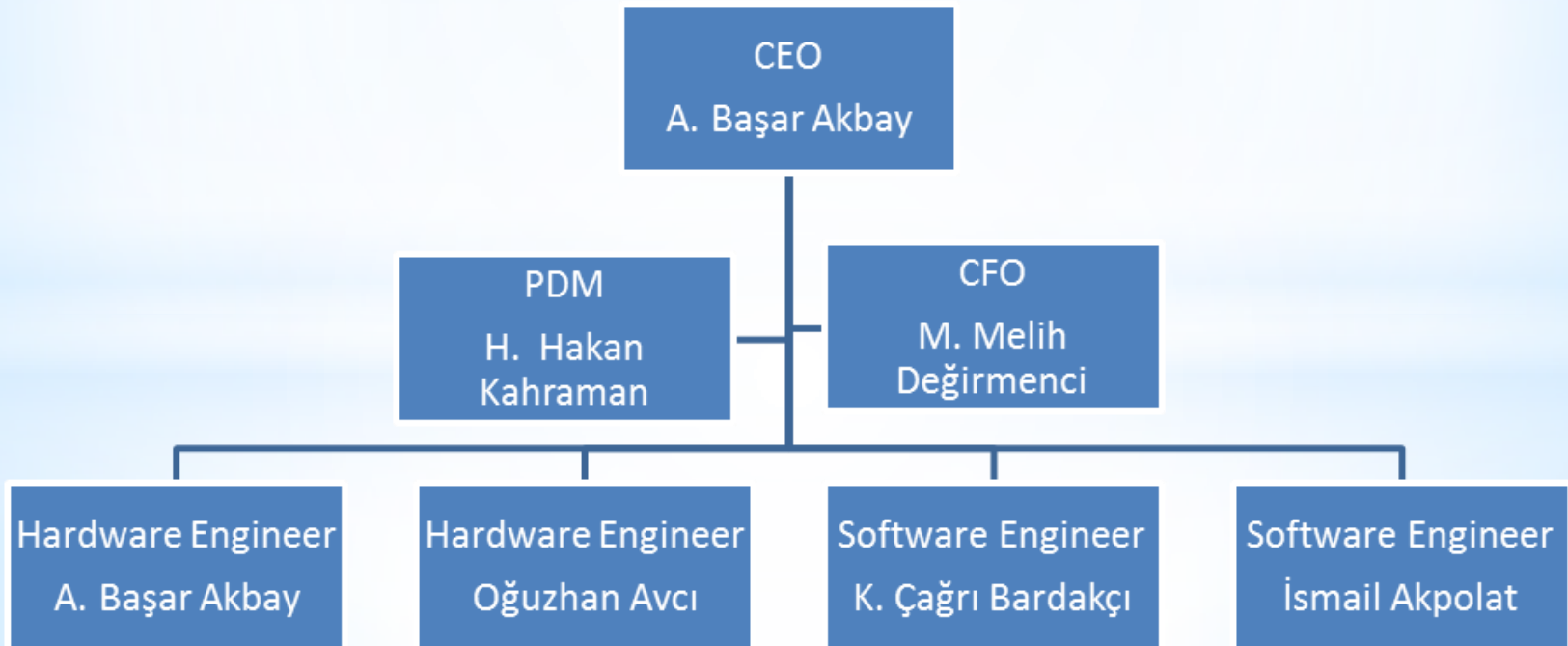


* *Organization of the Company*

* *Corporate Identity*

* *Business Plan*

Organization of the Company



Corporate Identity Designs

* *Company Name*

«Secure Communications Center»

- Reflect characteristic of us
- Impose a feeling of honesty and reliability

* *Product Name*

«Cher Ami»

- Pigeon Heroic Animal (messenger)
- World War I, 1918 saves American soldiers from Germans

Logotypes



Security Communications Center



Security Communications Center

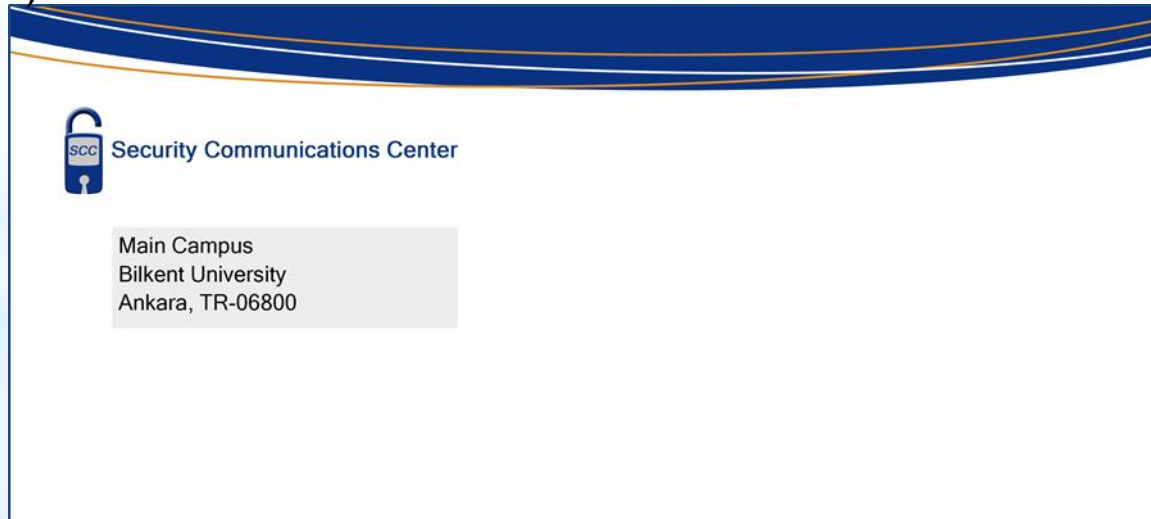
Applications of Logotypes



Business Card
(front)



Business Card (back)



Envelope

Professional and Ethical Issues Report

*Software Intellectual Property Policy

- Standards or Regulatory Work
- Commercial Exploitation
- Protection at the Aggregate Level
- Usage of Open Source

Professional and Ethical Issues Report

- * Circuit Design
- * Bluetooth Connection and TI Mini Development Kit
- * RSA Encryption Algorithm Implementation
- * Law Enforcements
- * Copyright & Patent

Professional Development Policy

- * Professional Developments: Opportunities to improve technical/nontechnical skills
- * Chief Executive Officer Discretion
- * Preparation - Support - Encouragement
- * Time Flexibility

Impacts of the Project

Possible Impacts of the Project on a Global Scale

- * We aim to make the world, the countries and the people communicate more comfortably by providing a device that will ensure a reliable and secure communication.
- * As the project will be available globally, all people in the world will be our potential customers.
- * It will have a potential significance for military applications in different countries as well.

Possible Impacts of the Project on a Global Scale

- * Our product is also a promising technology for the constabularies of countries.
- * It will also have functionalities for daily use as well. Individuals will be able to locate and track the users of their customized groups.

Possible Economic Impacts of the Project

- * Each year trillions of dollars are spent on military and security services. By the help of our project, the operations conducted by the military and police forces will have more accurate results with less effort allocated for secure communication and location tracking.
- * For instance, Turkey has approximately 10 billion dollar budget for Ministry of Defense for 2012.

Environmental Impacts of the Project

*While designing our device, we tried using components, which last longer with low power consumption. For example, we chose to use Texas Instruments' Bluetooth low energy technology in order to lessen the overall power consumption; hence we designed our hardware with respect to Texas Instruments' CC2540 Bluetooth Low Energy Chip.

Societal Impacts of the Project

- * It is usually very difficult to keep track of excessive amount of people while travelling, particularly in the airports, it is a hustle to locate everyone's location.
- * By the help of our product, this problem will vanish resulting in making people travel more often safely without any concern.
- * With our device, parents will also be able track their children's location from anywhere on their smart phones easily.