Genius Crime Prediction (GCP)

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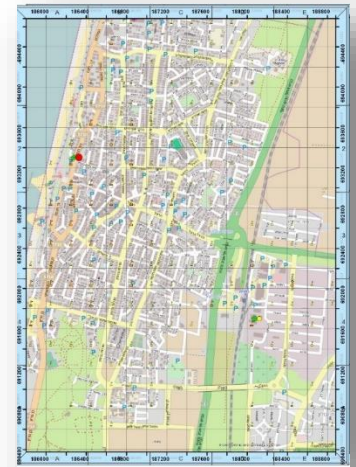IBM Business Partner

http://www.genius.co.il
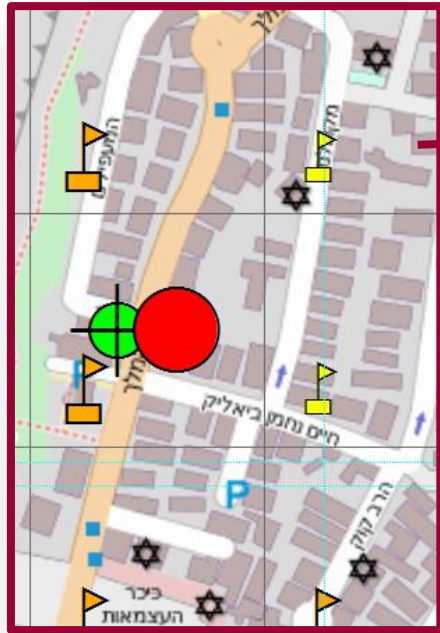
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Genius Crime Prediction (GCP)

- GCP is a tactical system that helps the police commanders predict when and where and what type of crime will take place next. This allows them to be proactive, and to be prepared in the right place at the right time with the right forces.

- GCP was developed by using the leading Predictive Analytics tool, IBM SPSS Modeler, and is based on advanced machine learning algorithms which analyze the past, present and predict the future.

- GCP is already being used by the Israeli Police Force for several months in field testing with accurate results.

- GCP was developed by Genius Systems, an IBM Advanced Business Partner for Business Analytics & Optimization.

GCP – System Capabilities

- GCP produces dynamic crime maps showing the forecast in the following resolutions:
    - 1, 3 and 8 hours
    - Cells of 200, 500 and 1000 square meters and/or special zones defined by polygons
    - Dynamic definition of the cell's size
- GCP supports all types of crime:
    - Dedicated Analytical models for each type of crime
    - Specific data which is relevant to the type of crime
- Spatial & Peripheral Vision
    - Supporting rolling events from cell to cell
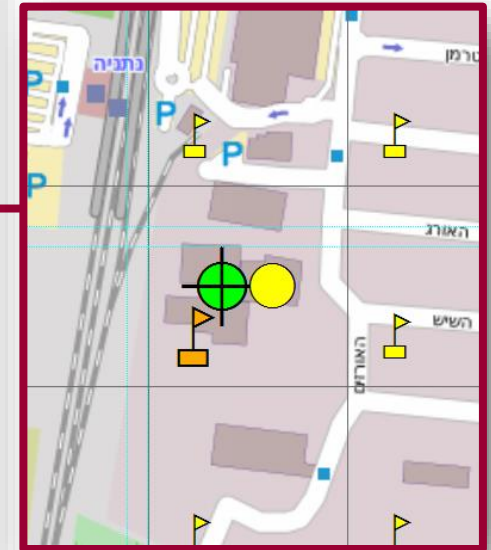   - Considering the related effects of various types of crime
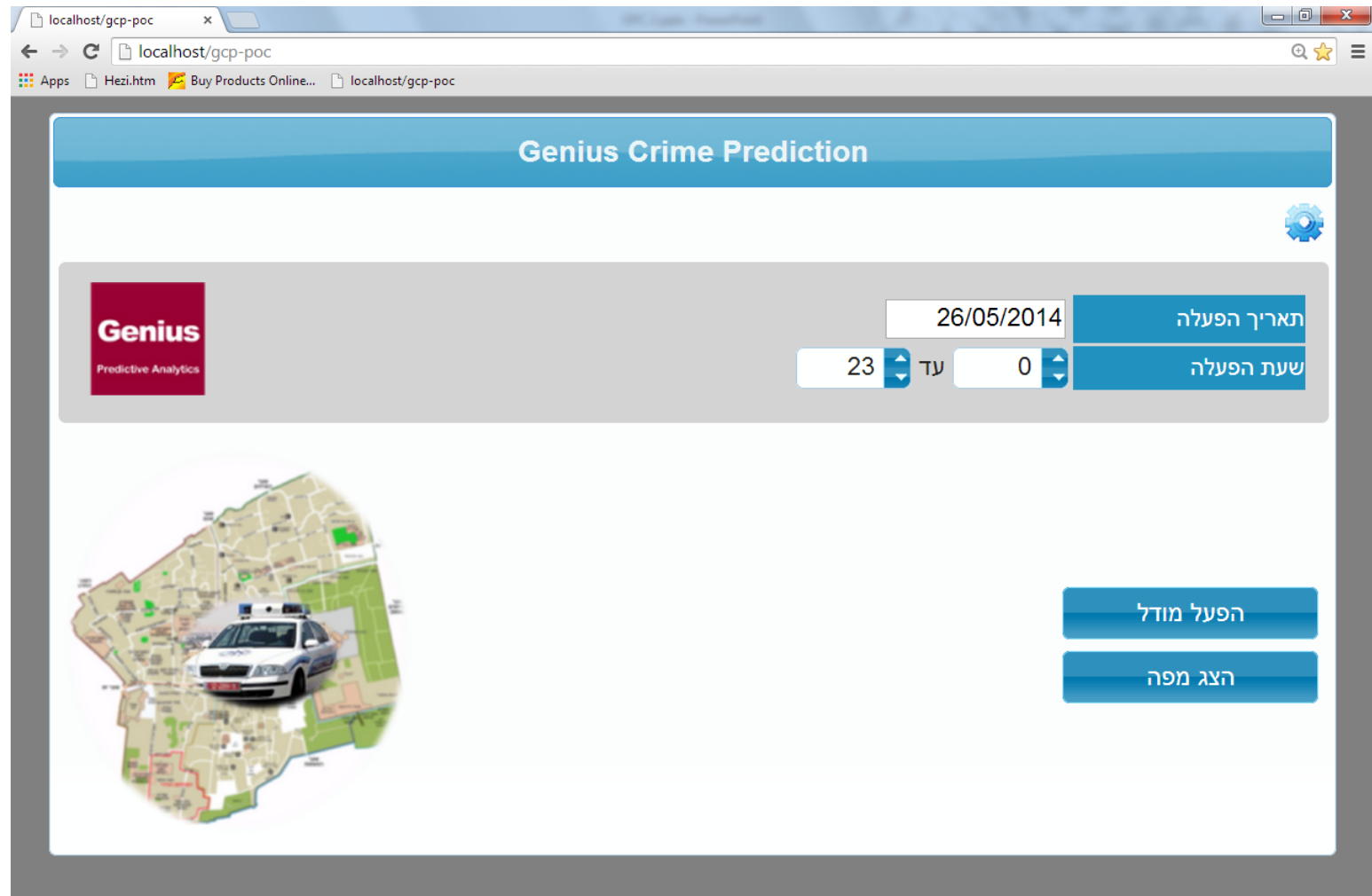
Dynamic Crime Maps

Graphical indications:

- The level of crime over time
- Heat map of Crime Prediction
- Actual versus forecasting

GCP – Web User Interface

GCP - Architecture