# *DAGESH ENGINEERING*

## *TRAFFIC & ROAD DESIGN LTD.*

*Dagesh Engineering was founded by Dan Fuchs and Avi Schreiber in 1978. It's goals were to provide consulting and planning services in the field of transportation and traffic planning, roads and parking design.*

### 1. *General*

*The firm is engaged in the entire range of services required in the fields of traffic consulting, road design and transportation planning. A variety of professional work is conducted from transportation master-plans through the planning and design of roads and railway tracks; interchanges and signalized intersections; land development and shopping centers; parking and research and special transportation projects.*

*Dagesh employs nowadays a staff of 40 employees. Among them are 16 engineers, 18 technicians/draftsmen and administration employees. The office is fully computerized and conducts most tasks on computers.*

*In June 2004, the firm was certified for compliance with ISO 9000/2000.*

## 2. *Senior Staff*

*The senior engineers act as project managers and task leaders and are responsible for the job completion. Following is a list of the project engineers from among the planning team will be assigned in coordination with the job.*

**Dan Fuchs**

*B.Sc. from the Technion (1966) and M.Sc. (1973) in the US; senior partner in Dagesh and senior traffic consultant to various authorities and organizations.*

**Avi Schreiber**

*B.Sc. from the Technion (1967). M.Sc. (1974) in the US; senior partner in Dagesh and senior consultant to various authorities.*

**Jorge Factor**

*B.Sc. (1982) and M.Sc. (1985) from the Technion; senior traffic engineer and consultant.*

**Aviram Agai**

*B.Sc. from the Technion (1985) and MBA from the Tel Aviv University (1994); senior engineer and project manager.*

**Maya Shkliar**

*M.Sc. in Civil Engineering from the Technium in Minsk, Russia (1986); project manager.*

**Masha Shabel**

*B.Sc. from the Moskva (1982); project manager*

**Olga Edelman**

*B.Sc + M.Sc in industry and Management from Moscow institute (1982)*

**Sigalit Brokman**

*B.Sc. from the Technion (1995); project manager.*

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| **Gur Fuchs** | *B.Sc. from the Technion (1996); project manager and senior engineer in traffic & road design* |
| **Boaz Gross** | *B.Sc. from the Technion (1997); project manager and senior engineer in traffic & road design* |
| **Anat Inbar** | *B.Sc. from the Technion (1997); project manager and senior engineer in traffic & road design* |
| **Irad Schreiber** | *B.Sc. from the Technion (2000); project manager* |
| **Anna Molchanovsky** | *M.Sc. from the University of Rovno Ukraine (2001) project manager.* |

### 3. *Details of the Firm's Computer System*

*The firm uses a Novell computer network that includes 30 workstations, printers, a central plotter, a modem station and a central e-mail domain.*

*The workstations are of the Pentium or higher, and are designed to work in a graphic environment.*

*The following are the main software products used by the firm:*

* *Basic graphic processing: AUTOCAD + AUTOTURN*

* *Road and earthworks design and planning: IDAN + XM*

* *Traffic design: MATAR, HCM, TRANSIT-7F*

* *Office: BENARIT, OFFICE PACKAGE.*

## 4. Selected Projects

*Below is a partial list of projects in which our office has provided consulting and planning services in the past few years:*

### National, Regional and Municipal Master Plans.

- *National Master plan #35*
- *Central Region*
- *Ashdod*
- *Nes Ziona*
- *Herzliya*
- *Modi'in*
- *Civil center, Beersheva*
- *Main municipal center, Rishon Lezion*
- *Housing and Construction Ministry (about 30 settlements and neighborhoods)*
- *Israel Land Administration*
- *Ben Gurion Airport*
- *Israel Aircraft Industries*
- *Arteries system in the Greater Tel Aviv Region*
- *Master plan for Ashdod and Tel Aviv gasoline stations*

### Traffic and Parking

- *MAMAN car park*
- *Closing off of Dizengoff Street*
- *Basel complex car park*
- *New cities and settlements:*
  *Karnei Shomron, Maccabim, Mashtela neighborhood in Tel Aviv, etc.*
- *Traffic arrangements in the Hatikva and Shabazi neighborhoods of Tel Aviv, among others*
- *The Ashdod "City"*
- *Consulting on a regular basis to the Bnei-Barak, Ramat Hasharon, Shoham and others.*

## Traffic Signals

*Below is a partial list of authorities for whom we designed single traffic lights and integrated traffic light systems:*

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|---|---|
| *Tel Aviv* | *Beersheva* |
| *Ashdod* | *Givatayim* |
| *Holon* | *Ramat Efal regional authority* |
| *Eilat* | *P.W.D.* |
| *Ramat Gan* | |

## Functional Plans

- *Southern Ayalon Highway*
- *Road #4 - Jerusalem*
- *Northern Ashdod, Central Ashdod, Re'em, Malachi, Somech and Gedera interchanges*
- *Israel Aircraft Industries*
- *Ben Gurion Int' Airport*
- *Route #4 Bus Inegration Plan*

## Railway Traffic

- *Functional planning of the railway track alignment, stations and parking areas along the Ayalon highway system.*
  *Detailed planning of railway stations - Beit Yehoshua, Herzliya, Binyamina, Beer-Sheba Ashdod and others.*
- *The Green LRT Line in Tel-Aviv and Holon.*

## Roads, Car Parks and Development

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|---|---|
| *Road #44* | *Road #551* |
| *Ramat Gan Stadium car park* | *Hadar Yosef Stadium car park* |
| *Golomb Street, Jerusalem* | *Roads and plazas for the IAI* |
| *IDF bases* | *IAF bases* |
| *Streets in Herzliya, Raanana, Ramat Gan* | *Kiryat Savyonim-Yahud* |
| *Tel Aviv, Holon, etc.* | *Givat Savyon - Kiryat Ono* |
| *Savyonei Yam - Kiryat Yam* | |

### Highways and Interchanges

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|---|---|
| Central Ayalon highway | Glilot interchange |
| Shivat Hakochavim interchange | Holon and Tel Gibborim |
| Hasira interchange | Northern Ayalon highway |

### Public Transportation

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|---|---|
| Central Bus Station - Rehovot | Central Bus Station - Nazareth |
| Lanes used exclusively for public | Terminals |
| Transportation | New Tel Aviv Central Bus Station |
| Changing lanes | |

### Project Promotion and Development

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|---|---|
| Canyon Ayalon shopping mall | Merkazim 2000 Herzliya |
| Jerusalem shopping mall | Aderet complex in Herzliya |
| Ramat Aviv shopping mall | Atidim |
| Beersheva shopping mall | Hi-tech industries, Tel Aviv |
| Hasharon shopping mall | Weizmann University campus |
| Yad Eliyahu industrial area | Hi-tech industries, Nes Ziona |
| Gibborei Israel industrial area | MATAM hi-tech industries, |
| Haifa | |
| Ben Gurion Int' Airport | |
| Shalom Center, Tel Aviv | Southern Kirya complex, Tel |
| Timna International Airport | |
| Aviv | |
| Taba Check point boarder | |

### Gasoline Stations

At different locations, for the Paz, Delek, Sonol, Dor, Alon and Gal stations, among others.