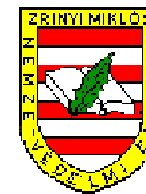
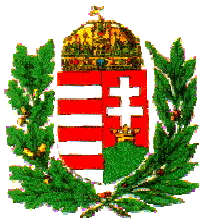
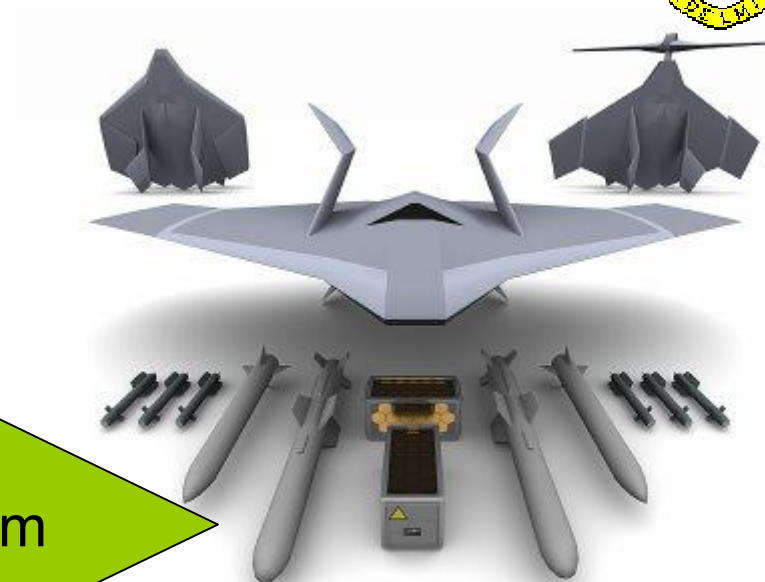
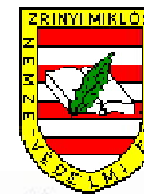


# ***KATONAROBOTOK – ROBOTKATONÁK***





# Bevezetés



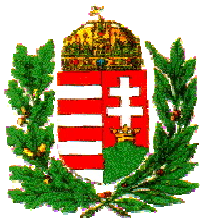
Robotforradalom – Katonai robotforradalom



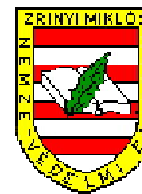
Robotok elterjedése



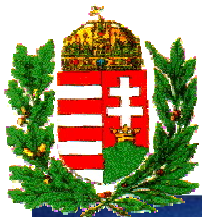




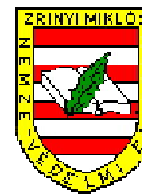
# Robot–Ember interakció



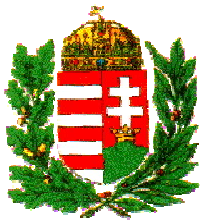
Kétirányú, oda-vissza ható folyamatok „függőségek”



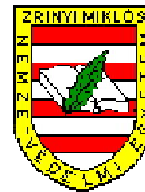
# Robot–Ember interakció







# Robotok kutatási irányai



## szociális vagy társas robotok

Nem „emberszabásúak”, de képesek az együttműködésre

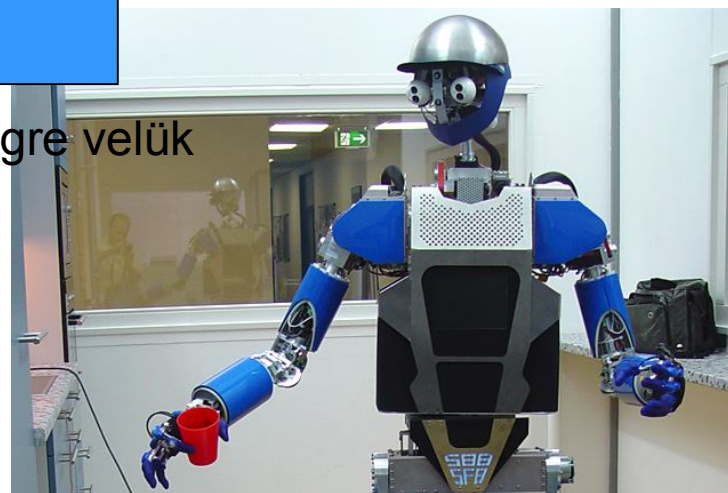
A képességeikben emberszerűek, nem a külsejükben

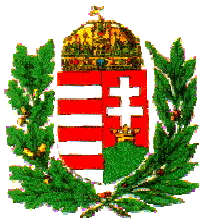
## tanulékony robotok

Felismeri a tárgyakat és műveleteket hajt végre velük

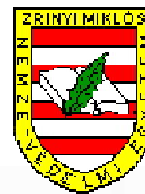
Képes a változtatásokra

ARMAR





# Etika kérdések, avagy hol a határ?



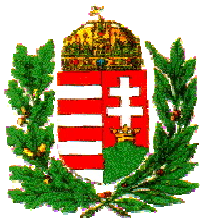
Robotforradalom – Katonai robotforradalom



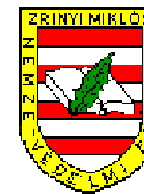
Robotok elterjedése

HOL A HATÁR ???

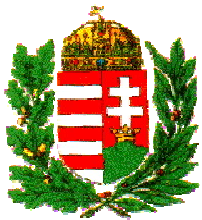




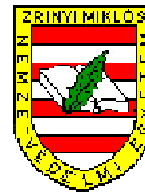
# Katonarobotok



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# Fire Scout



Fire Scout RQ-8A

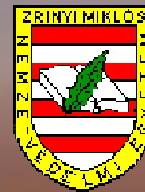


Fire Scout MQ-8B

Csapásmérés



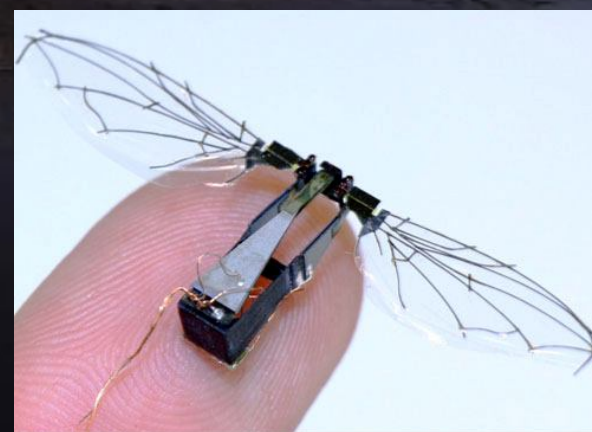
# UAV fejlesztési irányok



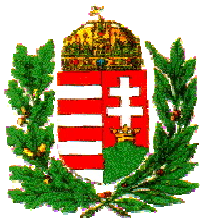
Lopakodó technika

Precíziós csapásmérés

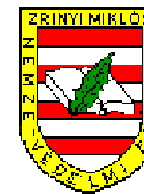
Légi szállítás







# UGV fejlesztési irányok



Foster-Miller

40 mm-es gránát  
M 240 közepes géppuska  
nem halálos fegyver



Precision Urban Hopper

**SWORDS**  
**REMOTE MOBILE WEAPON PLATFORM**



**Specifications:**

|                      |                            |
|----------------------|----------------------------|
| Width:               | 22 in                      |
| Length:              | 34 in                      |
| Weight:              | 120 lbs                    |
| Sustained Top Speed: | 5.2 mph                    |
| Turn speed:          | 110 deg/sec                |
| Range:               | 30 mile                    |
| Active Recon mode:   | 18 hrs                     |
| Sleeper mode:        | 7 days                     |
| Power:               | 750 w-hr lithium batteries |
| Waterproof:          | 3 atm                      |
| Ground clearance:    | 3 in                       |
| Ground pressure:     | 10 psi                     |
| Cam:                 | Switchable                 |
| 7 cameras:           | NVG, Thermal, Telephone    |

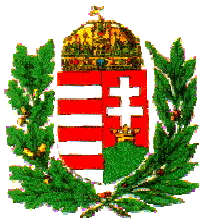
**Weapon options:**

|                                                      |
|------------------------------------------------------|
| M18 50cal 10 rnds                                    |
| M202 LAW 4 rnds pyrophoric, HEAT                     |
| M203 40mm, 6 rnds nonlethal, Smoke, Illumination, HE |
| M240 7.62, 100 rnds                                  |
| M249 5.56, 100 rnds                                  |
| M16                                                  |
| AT4                                                  |
| Combat shotgun                                       |

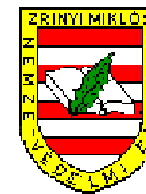
Member of the TALON family  
360 degree pan and tilt  
45 degree grade and traverse  
Audio pickup  
Illumination and designator options  
Armor option

Manufacturer: Foster-Miller  
Sponsor: US Army ARDEC/TACOM





# UGV fejlesztési irányok



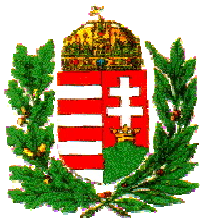
Málhahordás



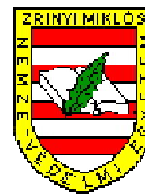
Sebesült szállítás







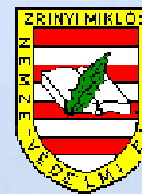
# A mechanikus izom



Kísérleti fázisban







Köszönöm a megtisztelő  
figyelmet!

