The Industrial and Marine market which is forecast to generate 20% of our sales in 1978, is in a developing market; a measure of its growth rate is presented below:

## U.S. INDUSTRIAL & MARINE MARKET 1,000 - 6,000 SHP GAS TURBINES

ion and higher engine rotational ap	1965	1967	1972	1977
Increase in Unit Demand.	a 25 ye	tity over		produce
over 1965 - %	100	107	146	180

UACL guarantees customer product support services for the lifetime of an engine. This can exceed 40 years. Currently, UACL provides technical field support, overhaul and parts service to over 520 operators in 47 countries.

effort must be invested over the engine program life, and partifularly at the early stages of the program, but the suitoipated growth potential of the interest of the interest growth potential of the suitoipated growth potential of the sate of the eagine, and transfer the trom the very first engine.

(ii) ensure low production costs right from the very first engine, not had not below the life of the balance of the development effort must be invested over the life of the entire program for; seasong sounds, or anismotus radius the entire program for; seasong sounds, or anismotus radius (i) the refinement and support of each existing model, and the contraction of each exoces sive engine model.

It is noted that the cumulative son-recurring expenses associated with engineering, design and production start my at the end of an engine program, can be of the order of six times the cumulative mon-recurring gram, can be of the order of six times the cumulative mon-recurring gram, can be of the order of six times the cumulative mon-recurring gram, can be of the order of six times the cumulative mon-recurring

In the funre, advances in gas turbine engine performance are likely to be achieved through increases in heat addition during combustion (with engine volumes and weights per unit of output power lower than today's engines). Hand-in-head with this, higher compression pressure