



**Value Through Technology**

## ***OLI Tips #16***

### ***Changing ESP Size Parameters***

The OLI/Software has the ability to model a wide variety of components in a wide variety of configurations. This tends to create very large models which can consume vast amounts of memory. OLI has created a limited set of conditions which is applicable for most applications. These default limits are:

Components/Species	=	300
Blocks	=	50
Stream	=	100

On occasion, the user may require more of these items. The most common entry is the number of components. To change these limits the user must create the text-only file:

SYSTEM.SIZ

To create a local version, applicable to a single folder, the file must be created in the working folder such as:

***\\My Documents\\My OLI Cases\\ESP 6.7\\Samples.***

To create a global version, applicable in all folders on the computer, the file must be created in the folder:

#### ***For versions 6.6 and earlier***

C:\OLIxy\ESP

Where xy is the version number. For example, for the version OLI/Software 6.5 the folder would be:

C:\OLI65\ESP

#### ***For versions 6.7 and Later***

C:\Program Files\OLI Systems\ESP a.b\System

Where a.b is the version number. For example, for the version OLI/Software 6.7.08 the folder would be:

**C:\Program Files\OLI Systems\ESP 6.7\System**

The keywords in the file are:

NNSP	=	Number of species
BLOCKS	=	Number of blocks
STREAMS	=	Number of process streams

As an example, to create a SYSTEM.SIZ file for 700 species, 74 blocks and 120 streams, the entries in the file would be:

NNSP	700
BLOCKS	74
STREAMS	120

The entries are separated by spaces. Do not use the TAB key. Only the lines that are to be changed from the default values are required to be in this file.