

INTEGRATED DESIGN...

10-25-2017

WHO IS INVOLVED IN IT?

COST ESTIMATOR.

PROTECT MGR (OWNER)

USERS.

MECHANICAL ENGINEERS.

COMMISSIONING AGENT

UO. M&V STAFF

DAYLIGHTING DESIGNERS

CONSTRUCTORS.

USER GROUP

FACILITIES SERVICES (KEY PEOPLE)

ARCHITECTS

ELECT. ENGINEERS

PLUMBING ENGINEERS

NETWORK SERVICES

STRUCTURAL ENGINEER

LANDSCAPE ARCHITECT

ENERGY MODELER.

INTEGRATED DESIGN...

10/25/11

WHAT IS THE BEST PROCESS?

OPTIMIZATION = KEY.

MINIMIZING NEGATIVE... MAXIMIZE POSITIVES
FRONTLOAD SOME TRADITIONAL WORKFLOW

SD
↙ DD
↘ CD

SEARCH FOR SYNTHESIS'S "SWEET SPOTS"
SYSTEMS APPROACH.

- BATCH or BUNDLING

EVALUATIVE PROCESS.
ITERATIVE PROCESS

REASSESS AS
PROJECT MOVES
FORWARD

PROPER TRAINING OF END USERS

RECORD KEEPING / USE / MAINT. PROCEDURES
METRICS & M&V.

GOOD STOP GAPS & MILESTONES.
KNOWN TARGETS.