The Pandemic & Decision Management Processes and Tools For HealthCare
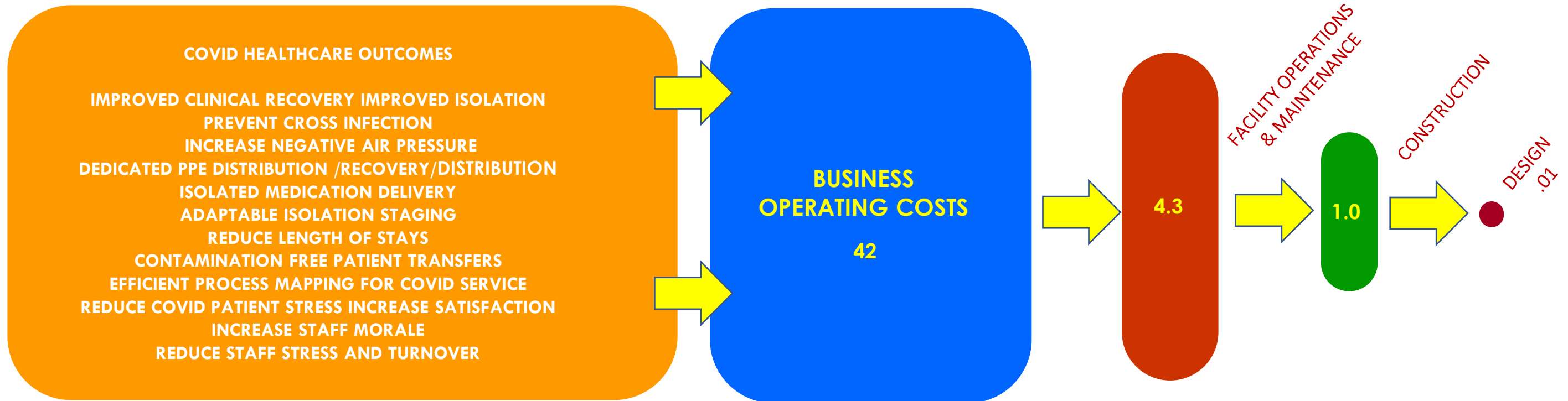PHILIP PATRICK SUN, AIA, ACHA, NCARB IPDS

uia PUBLIC HEALTH GROUP

FIRST: DEFINE AND ESTABLISH DESIRED TARGET OUTCOMES AND VALUES

MORE IMPORTANT AND LESS TANGIBLE COST TARGET OUTCOMES

RELATIVE BUSINESS, FACILITIES, MAINTENANCE, CONSTRUCTION AND DESIGN COSTS

WHAT TO DO

COVID HEALTHCARE OUTCOMES

IMPROVED CLINICAL RECOVERY IMPROVED ISOLATION
PREVENT CROSS INFECTION
INCREASE NEGATIVE AIR PRESSURE
DEDICATED PPE DISTRIBUTION /RECOVERY/DISTRIBUTION
ISOLATED MEDICATION DELIVERY
ADAPTABLE ISOLATION STAGING
REDUCE LENGTH OF STAYS
CONTAMINATION FREE PATIENT TRANSFERS
EFFICIENT PROCESS MAPPING FOR COVID SERVICE
REDUCE COVID PATIENT STRESS INCREASE SATISFACTION
INCREASE STAFF MORALE
REDUCE STAFF STRESS AND TURNOVER

BUSINESS OPERATING COSTS 42

4.3 — FACILITY OPERATIONS & MAINTENANCE

1.0 — CONSTRUCTION

DESIGN .01

HOW TO DO IT: DECISION MANAGEMENT

STAGE 1 — ANALYSIS & PLANNING

STAGE 2 — INTEGRATED DESIGN

STAGE 3 — IMPLEMENTATION

OPERATIONS CONFIRMATION
COST CONFIRMATION

TEAM ACTIVITIES

- INTEGRATED PROGRAMMING & PLANNING
- PROCESS & VALUE STREAM MAPPING
- TARGET STAFFING, COSTING & VALUE DESIGN
- SYSTEMS OPTIMIZATION & SUSTAINABILITY
- DECISION MANAGEMENT

- DEFINITIVE PROGRAM SCOPE & COST DEFINITION

- DECISION MANAGEMENT

- TOTAL SYSTEMS & BIM MODEL INTEGRATION

- DECISION MANAGEMENT

- REVIEW & APPROVAL: VIRTUAL BUILDING

- DECISION MANAGEMENT

- 4D/5D/6D COORDINA-TION

- DECISION MANAGEMENT

- CONSTRUCTION AND COMISSIONING

- DECISION MANAGEMENT

- START-UP

DECISION / AGREEMENT