

The Smart Grid Workforce of the Future

Job Impacts, Skill Needs, and Training Opportunities

Industry

6,000 existing employees and new hires of corporate partners
300 corporate trainers

Labor Union Outcomes

600 Labor Union journeymen
200 Labor Union apprentices
75 Labor Union trainers

4 year University Outcomes (IIT & partner schools)

40 college teachers & faculty
70 Undergrad students
100 Graduate students

Community College Outcomes

192 Community College teachers & faculty
2,300 Community College students

Chicago Public Schools Outcomes

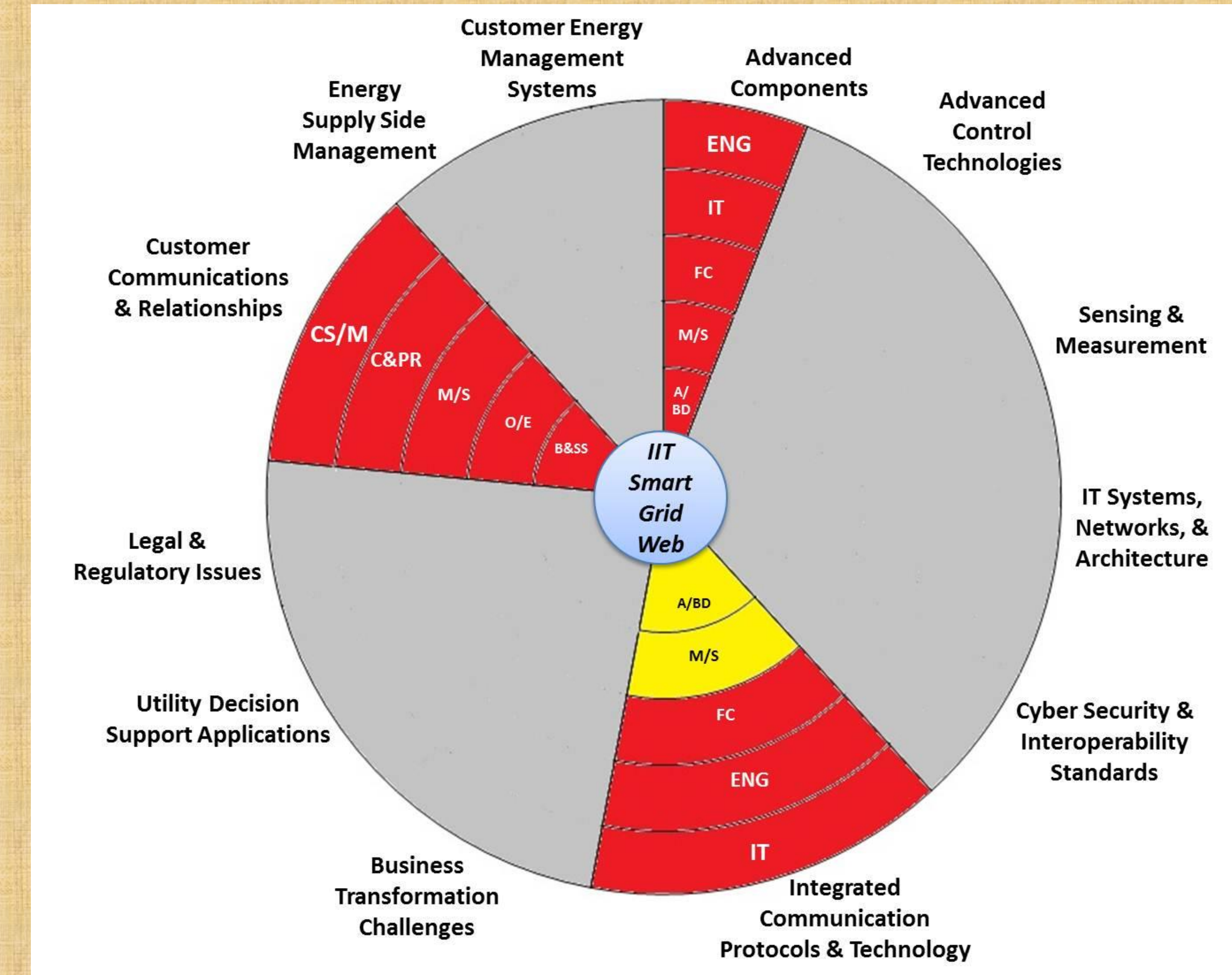
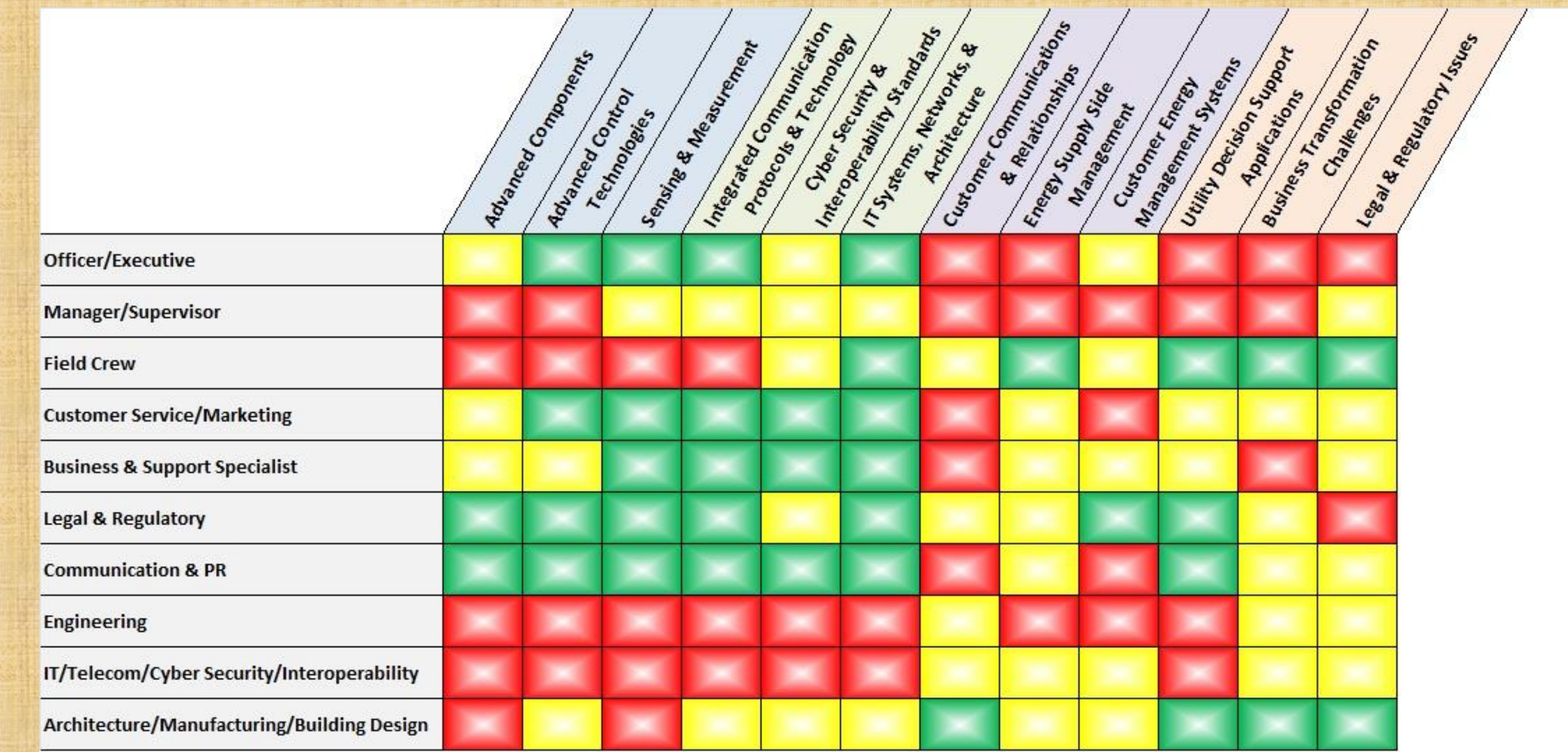
1,430 CPS Teachers
37,600 CPS k-8 students

Veterans Outcomes (efforts duplicated through community colleges and IIT)

2,500 Veterans and Service members
600 Veterans and Service Members

49,000 PEOPLE IMPACTED BY THE SMART GRID CENTER CURRICULUM

SOC	Organizational/Department Job Classifications w/Major Impact (23)
	Managers/Supervisors
11-1021	General and operations managers (includes facility managers)
11-2020	Marketing and sales managers
11-3021	Computer and information systems managers
11-9041	Engineering managers
11-3031	Financial managers
	Field Employees
47-1011	First-line supervisors/managers of construction trades and extraction workers
33-1000	First-line supervisors/managers, protective service workers
43-5041	Meter readers, utilities
47-2111	Electricians
47-4011	Construction and building inspectors
49-2094	Electrical and electronics repairers, commercial and industrial equipment
49-2095	Electrical and electronics repairers, powerhouse, substation, and relay
49-9051	Electrical power-line installers and repairers
49-9052	Telecommunications line installers and repairers
49-9099	Installation, maintenance, and repair workers, all other
51-8012	Power distributors and dispatchers (include system dispatchers)
	Customer Service/Marketing
41-4011	Sales representatives, wholesale and manufacturing, technical and scientific products
43-4051	Customer Sales Representatives
	Business & Support Specialists
13-1111	Management analysts
15-2031	Operations research analysts
	Legal & Regulatory
11-9199.01	Regulatory Affairs managers
13-1041.07	Regulatory Affairs specialists
	Communication & PR
27-3031	Public relations specialists



SOC	Functional Expert Classifications Job Classifications w/ Major Impact (12)
	Engineers
17-2070	Electrical and electronics engineers
17-2071	Electrical engineers
17-2072	Electronics engineers, except computer (includes telecommunications engineer)
	IT/Telecom/Cyber security/Interoperability
15-1061	Database administrators
15-1071	Network and computer systems administrators
15-1081	Network systems and data communications analysts
15-1099.02	IT Systems Architecture (Computer Systems Engineers/Architects)
15-1030	Computer software engineers
15-1031	Computer software engineers, applications
15-1032	Computer software engineers, systems software
	Architects/Manufacturing/Building Design
17-1011	Architects
17-3011.01	Architectural drafters (include GIS mappers)

