APS/Users Monthly Operations Meeting

Brian Stephenson

January 30, 2013

Agenda

- APS Update – Brian Stephenson
  - Safety
  - New Org Chart Includes Upgrade, Reflects Matrixing
  - FY13 Hiring
  - Access Planning
  - Construction and Parking Planning
  - DOE Budget Review and Upcoming Events
  - Pacesetter Award

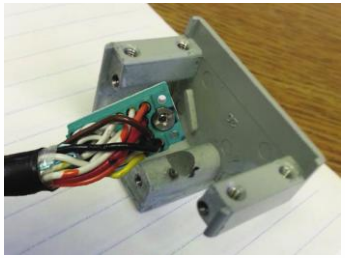
- APS Upgrade Update – George Srajer

- Update on GSECARS (13-ID) Canted Upgrade – Peter Eng

PHOTON SCIENCES SAFETY NOTICE

Shock Potential from EDAC 516 Series Connectors

An APS employee recently received a mild shock while holding an energized EDAC 516 Series connector attached to a Kohzu Model 501C driver unit and an Oriental Model PK6558E 5 phase stepper motor. The voltage involved was later measured as 80 VDC.



The damaged wiring insulation and carbon deposits on the metal shell cable connector.

These connectors are a standard type widely used at the APS on stepper and servo motor cables, especially on intermediate wiring between the driver units and motors. They have an ungrounded metal housing, which can become energized if wiring insulation within the housing has been damaged allowing exposed conductors to contact the housing.

Pending determination of corrective action, please notify your staff members and users:

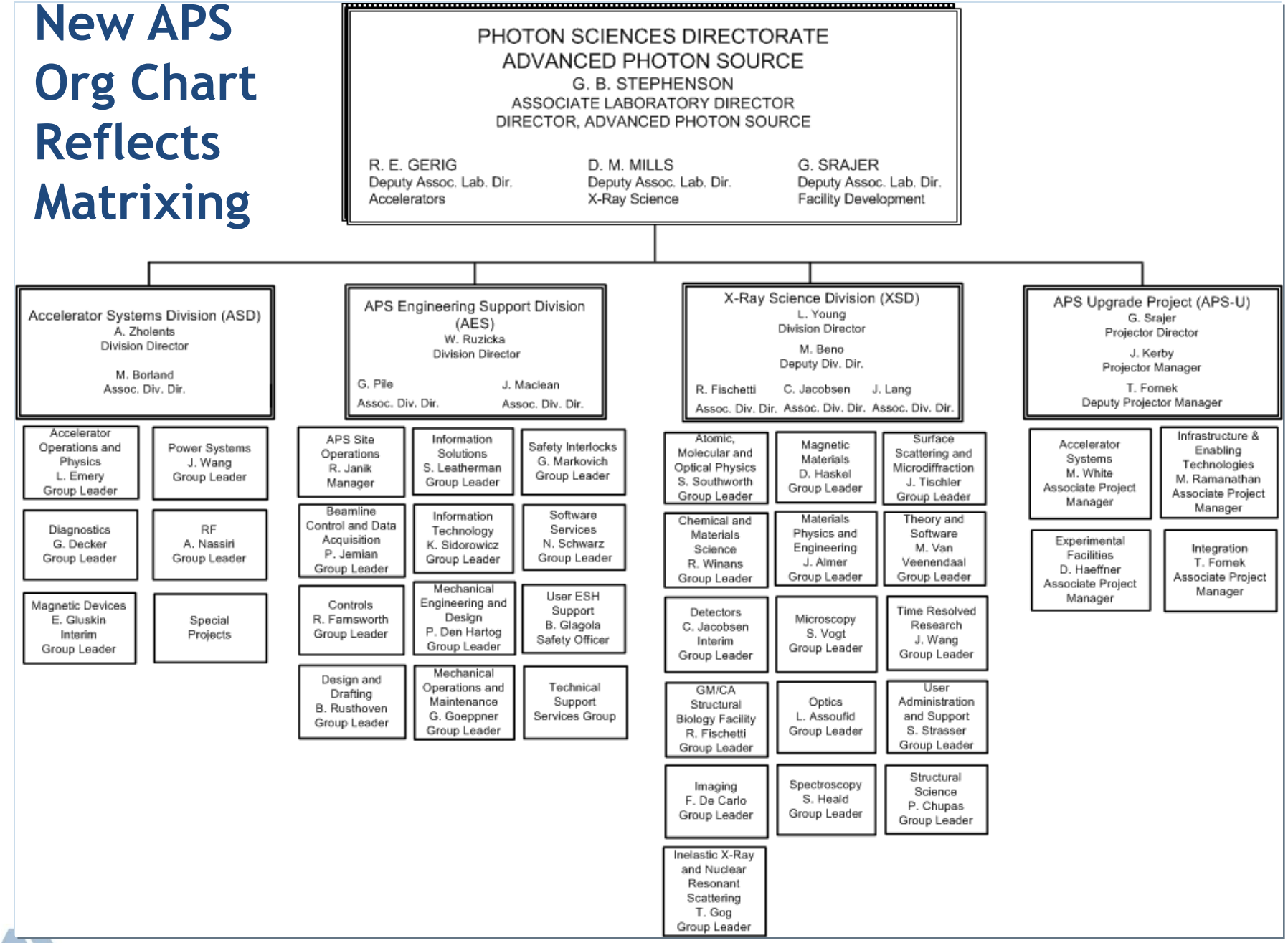
1. To be aware that some of the stepper-motor drivers may output more than 50 volts.
2. To not contact the connectors on cabling to stepper motors unless de-energized.
3. To be careful around all metal shell cable connectors used for stepper and servo motors because they are typically not grounded.
4. To take care not to damage wire insulation while assembling cable connectors.

PSC_13.1

Matrixing of Effort for the Upgrade in FY13

Division	FTE
XSD	10.4
AES	39.2
ASD	23.4
TOTAL -- PSC	**72.9**
Project Management & Support	8.0
Planned New Hires	5.0
Contractors	6.0
Employees from other ANL divisions	3.0
TOTAL	**94.9**

New APS Org Chart Reflects Matrixing



Home Group Example: AES MED

APS UPGRADE

MECHANICAL ENGINEERING AND DESIGN
P. DEN HARTOG
GROUP LEADER

- E. BENDA
- C. BENSON
- M. MOSEK
- (B. BRAJUSKOVIC)
- D. CAPATINA
- (J. CARTER)
- L. COKELEY (6)
- J. COLLINS
- M. ERDMANN
- A. GORSKI (5)
- (S. HANUSKA)
- (Y. JASKI)
- A. KHOUNSARY
- (S. H. LEE)
- (J. LIU)
- (Z. LIU)
- S. MASHRAFI (2)
- A. MCKENZIE
- (L. MORRISON)
- (G. NAVROTSKI)
- D. NOCHER
- (J. NUDELL)
- J. PACE
- C. PREISSNER
- (O. SCHMIDT)
- (B. STILLWELL)
- E. TRAKHTENBERG
- (K. VOLIN)
- (F. WESTFERRO)
- (G. WIEMERSLAGE)

SURVEY AND ALIGNMENT
J. PENICKA
SECTION LEADER

- R. GWEKOH
- W. JANSMA
- K. KNIGHT
- K. MIETSNER
- S. PETERSEN
- S. WESLING

ACCELERATOR SYSTEMS
M. WHITE
ASSOCIATE PROJECT MANAGER

T. MANN
DEPUTY APM

SPX
- R. AGNER
- N. ARNOLD
- B. BRAJUSKOVIC
- H. BUI
- J. FUERST
- J. HOLZBAUER
- D. HORAN
- R. KALT
- F. LENKSZUS
- H. MA
- M. MIDDENDORF
- C. MONTIEL
- B. STILLWELL
- S. VESELI
- G. WALDSCHMIDT
- G. WU
- W. YODER

SPX DESIGN/DRAFT
- D. FALLIN

ID'S
- M. ALBIZ
- J. GRIMMER
- E. MOOG
- G. WEIMERSLAGE

BEAM STABILITY
- R. LILL

LSS
- L. MORRISON
- W. TURNER

EXPERIMENTAL FACILITIES
D. HAEFFNER
ASSOCIATE PROJECT MANAGER

- R. BRADFORD
- K. FEZZAA
- T. GOG
- S. HEALD
- H. HONG
- B. LAI
- J. MASER
- R. REININGER
- S. SHASTRI
- J. VILA COMAMALA

BEAMLINE ENGINEERING
- J. CARTER
- J. LIU
- Z. LIU
- G. NAVROTSKI
- J. NUDELL
- C. PROKUSKI
- O. SCHMIDT
- K. VOLIN

INFRASTRUCTURE & ENABLING TECHNOLOGIES
M. RAMANATHAN
ASSOCIATE PROJECT MANAGER

FRONT ENDS
- J. DOWNEY
- Y. JASKI
- F. WESTFERRO

XBPM
- S. HANUSKA
- S. H. LEE
- B. YANG

INTEGRATION
T. FORNEK
ASSOCIATE PROJECT MANAGER

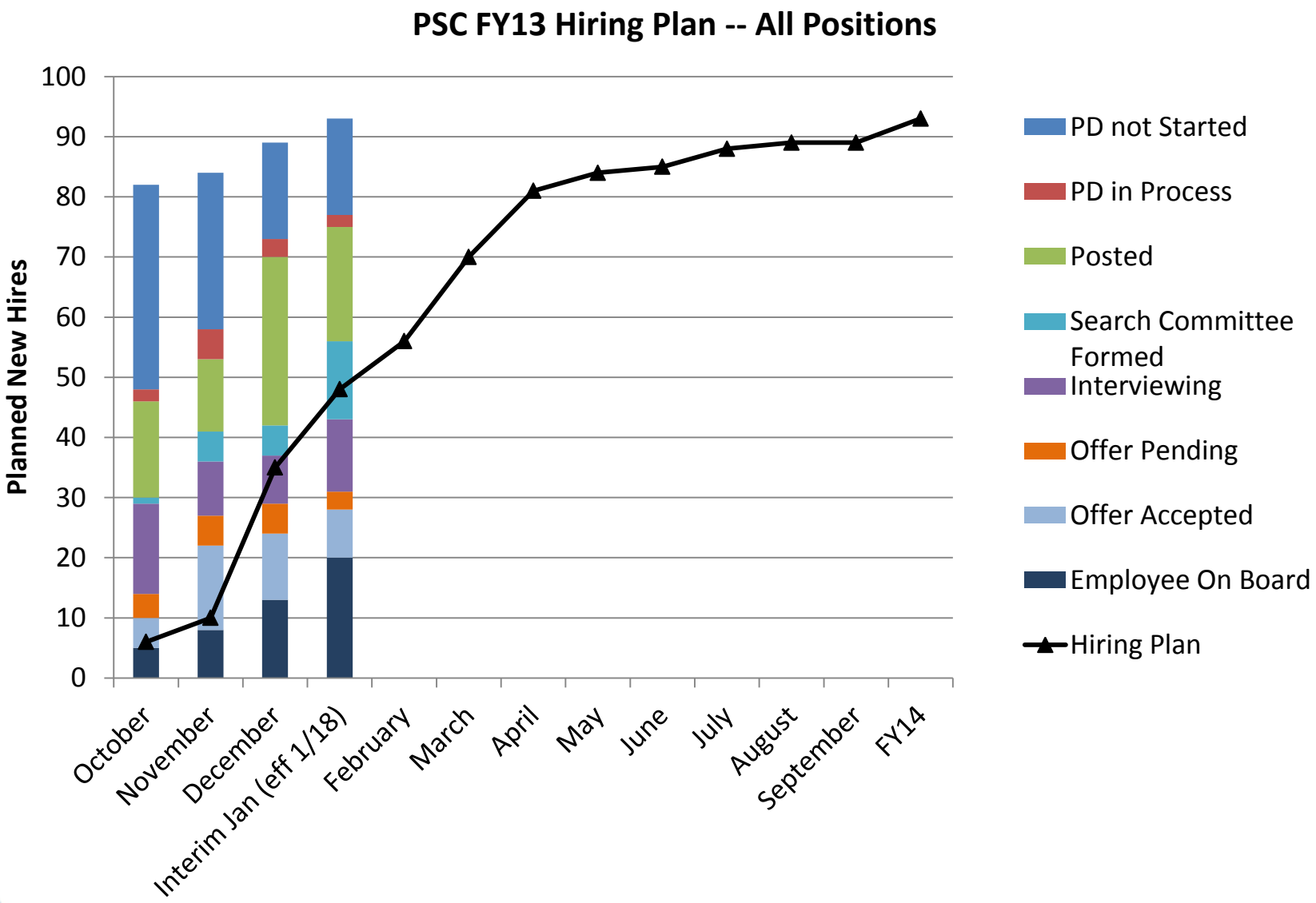
DOCUMENTATION
- K. JAJE
- E. FREER (7)

DESIGN/DRAFT
- J. DABROWSKI (7)

PROJECT CONTROLS
- K. BAILEY (4)
- J. CHAN (7)
- B. GRUSCZYNSKI (7)
- A. MALAHOWSKI (7)
- E. PEOPLES (4)
- C. RHOADS (7)
- T. TEMPLETON (7)

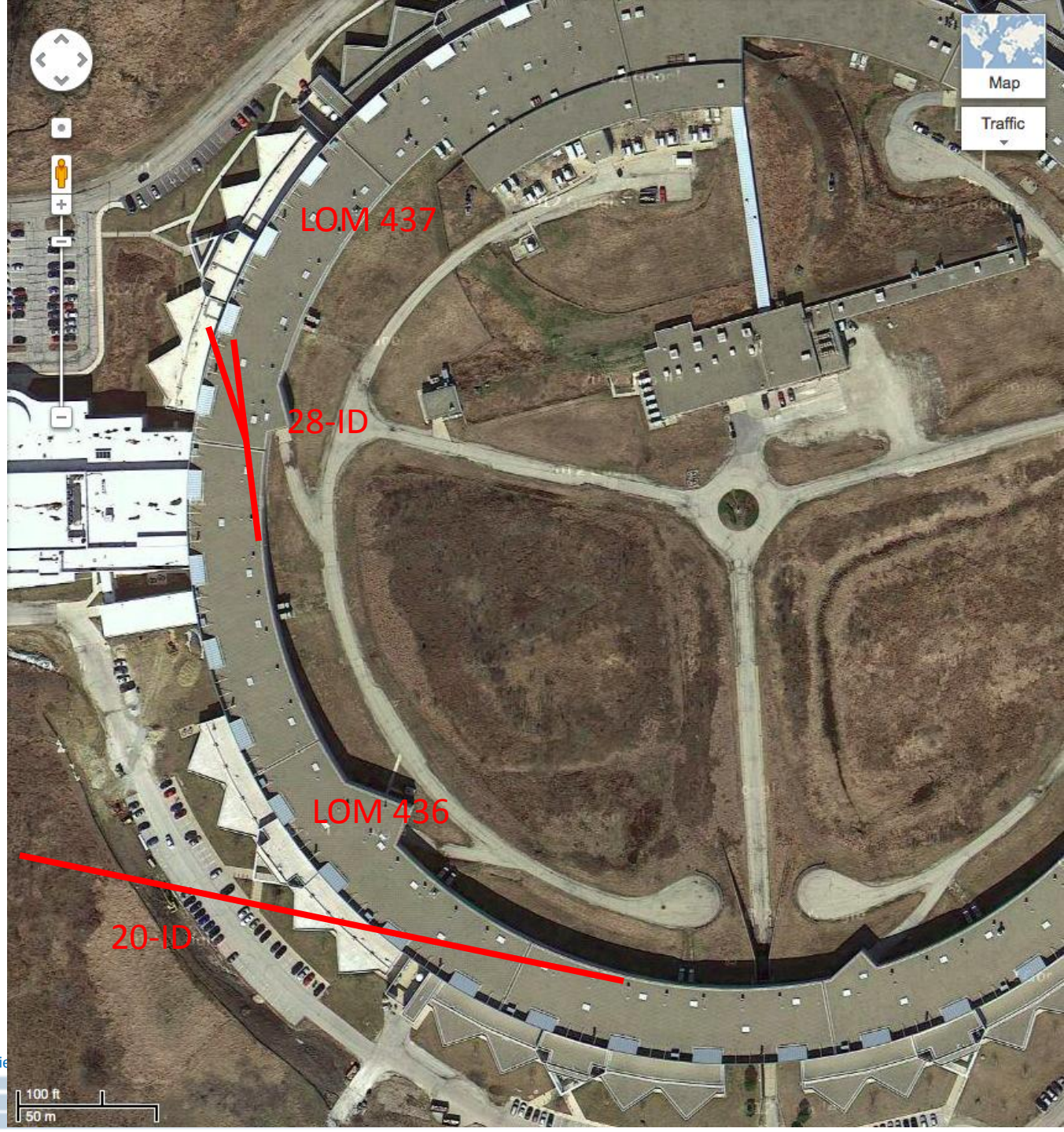
EMPLOYEES WORKING ≧ 50% ON APS UPGRADE PROJECT ARE LISTED HERE

APS Hiring Progress in FY2013



Access Planning

- Future beamlines will block the main aisle at 20-ID and 28-ID
- Will need external truck access between
- Foot traffic via stairway over 20-ID at aisle and walkway around 28-ID through LOM 437
- Should we continue to use tricycles?
- New building next to CNM and potential rebuild of LOM 436 are being considered



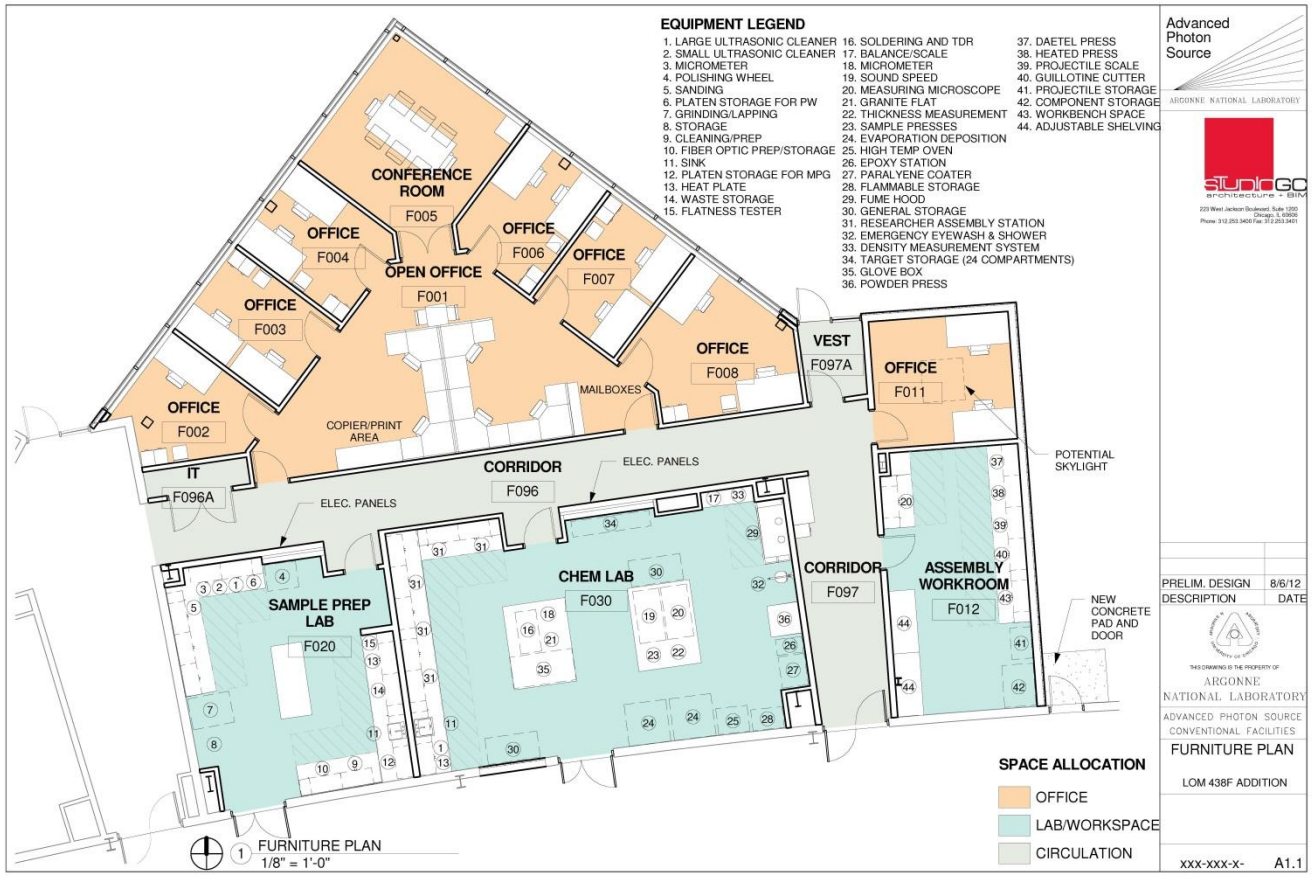
APCF Construction Progressing

- Foundation and steel structure is complete
- “Topping out” celebration 1/14/2013

DCS Project LOM 438F Pentagon

LOM 438F
Under Constr.

DCS Project LOM 438F Pentagon



Dynamic Compression Sector (DCS) Project

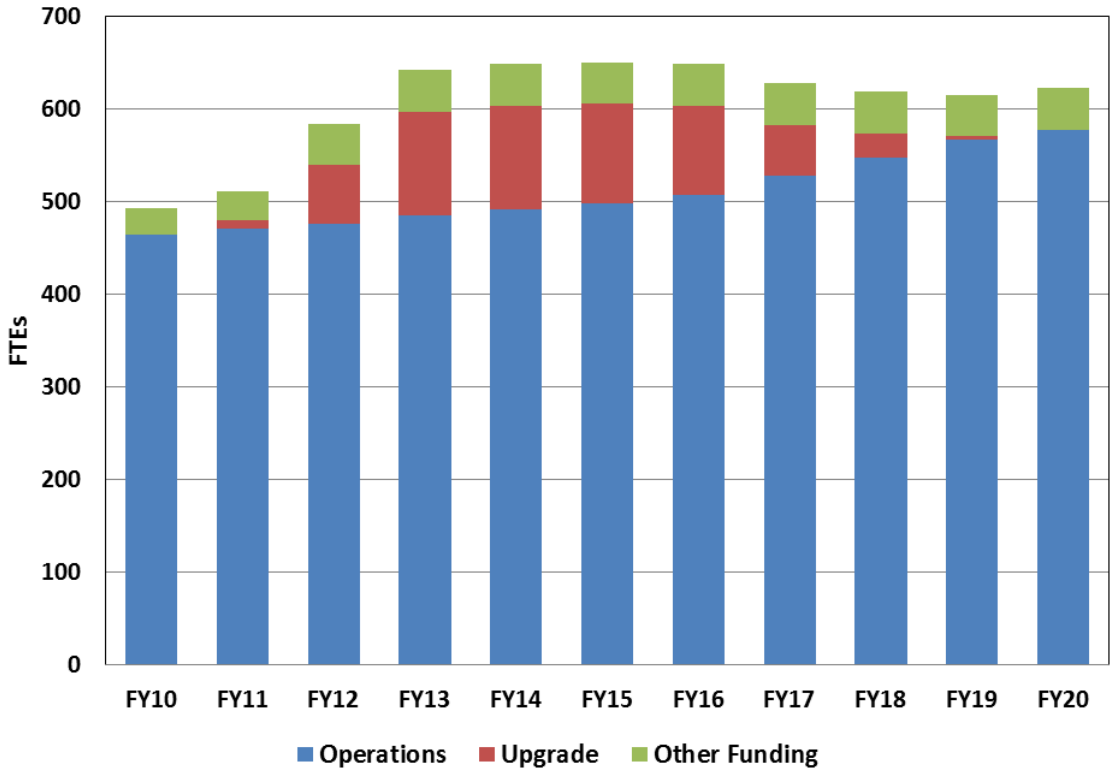
Parking Planning

- Parking for 438 will be restricted during construction
- Overflow parking at old CP-5 site is available
- Lab is planning a new lot across Kearney Rd. from CNM
- Other parking expansions are being considered

Upcoming BES Review of Facilities Operations Budgets

- After a review of the NSLS-II proposed budget last fall, DOE BES will be reviewing the operations budgets of their other light sources (ALS, SSRL, LCLS, APS) this Spring

- The APS review is scheduled for May 16-17
- We will present our plans for the next decade



Upcoming Reviews and Events

- February 11 – “State of the APS” all-hands meeting
- February 26-28 – BESAC Facilities Review (Washington)
- March 5-7 – SAC Meeting
- April 3-4 – Directors Budget Review (prep for DOE)
- May 6-9 – Users Meeting
- May 16-17 – DOE Budget Review
- mid July – annual U of C Review
- FY14 – triennial DOE Operations Review
- We can also expect a set of APS Upgrade reviews leading up to CD-3

Pacesetter: Lynn Ribaud, Chuck Kurtz, Kevin Beyer, Rick Spence (XSD) and Scott Wesling (AES)

Scott Wesling Chuck Kurtz Lynn Ribaud Rick Spence Kevin Beyer

Extraordinary effort and expertise displayed while replacing the 11-BM collimating mirror in less than 7 days, and thus greatly minimizing instrument downtime and impacted user experiments.