



Dr. Moshe BenBassat
Chairman and Chief Executive Officer
ClickSoftware Strategy for Sustainable Profitable Growth

Analyst & Investor Day May 24, 2011

Analyst Day Agenda

Welcome & Introduction

Simon Morris, VP Marketing, ClickSoftware

(3 E)

ClickSoftware's Strategy for Sustainable Profitable Growth

Dr. Moshe BenBassat, Chairman and CEO, ClickSoftware

(3 E)

ClickSoftware's Financial Performance

Shmuel Arvatz, CFO, ClickSoftware

03 ED

Network Centric Operations and the Field Service Opportunity

Enterprise Mobility -- The Beginning of a New Era for ClickSoftware

Dr. Moshe BenBassat, Chairman and CEO, ClickSoftware

(3 E)

Client Case Study: Leveraging ClickSoftware Solutions to Deliver Business Value

Dwight Jellison, Manager - Service Delivery Team, Diebold

C3 80

Innovation and Growth Opportunities

Hannan Carmeli, President and COO, ClickSoftware

(3 E)

Conclusion and the Road Ahead

Dr. Moshe BenBassat, Chairman and CEO, ClickSoftware



Presentation Outline

Company Overview

WFM is a Platform; Not a Point Solution

Mission (Grand Strategy)

The Service Chain; End to End: Updates

Appointment Booking: Uniqueness

Shift & Scheduling: Uniqueness

Mobility- Intro to Afternoon Session

Summary



Who We Are?

Market Leader

- Leader in automated workforce management, enterprise mobility and optimization solutions for service businesses
- >170 enterprise customers from a variety of industries and geographies
- >260,000 service people managed by ClickSoftware products every day

Global Presence

- Offices in North America, Europe, and APAC
- 340 employees worldwide

Fundamentals

- Listed on NASDAQ Global Select ticker CKSW
- Market Cap: ~\$280M
- Consistent multi-year revenue growth and cash generation
- Q1-2011 revenues: \$19.3M, up 10% y/y
- Strong balance sheet with no debt



What Business Are We In?

Market

 Service sector: whose primary resources are people and time



Business Pain We Address

- Workforce efficiency, productivity, and/or utilization: too low
- Customer service quality: below desired level

How We Do It

- We automate and optimize scheduling and decision-making via software
- We leverage mobility technology to the max, interacting with hand-held devices, real-time customer communication, GPS, real-time traffic updates

Addressable Markets

- All service industry verticals
- All sizes of businesses from very small (5 employees) to the largest (hundreds of thousands of service personnel and assets)



Workforce Management is a Platform, NOT a Point Solution



WFM is the Dual Side of CRM and EAM

The need for WFM is the dual side Mobility is strongly relevant to of the need for CRM and EAM all: WFM, CRM, EAM Customers **Mobility** Work Orders **CRM** Workforce **WFM Assets** Work Orders **EAM** and all of these must integrate seamlessly **ERP** into one cohesive organizational IT



The Need for Unified WFM Platform

- In absolute terms, 70%+ of the GNP of developed countries come from service industries where the primary resource are people and their time
- In-house staff and field staff
- Wide spectrum of job types representing customer demand
- Wide spectrum of structures for the resources to deliver this demand
- Many RFP's include specific requirements for one unified platform that can address quite rich spectrum of job/resource mix
- Enterprise software companies selling unified WFM platforms are likely to enjoy a high win rate

The depth and breadth of ClickSoftware's products offer the best platform in the market



Market Growth Drivers

- Service is strategic: an asset for customer acquisition & retention, or ... liability and a constant source of troubles
- Profitability and revenue pressures: Organizations recognize the ability to "mine" the service activity to increase revenues and reduce costs
- The hand-held phenomenon (tablets, smart phones):
 This is taking enterprise mobility to a new level and opens opportunities for new types of business applications
- The "inter-connected" age: Customers expect more control over the service experience like web-based appointment booking, up-to-the-minute updates on arrival schedules, etc.





Why ClickSoftware

- The depth and breadth required from a Workforce
 Management solution are constantly growing and the bar keeps moving higher and higher.
- Major investments over many years are required to catch up with market requirements and barriers to entry are very high due to the unique mix required in terms of:
 - domain business expertise,
 - mathematical algorithmic knowledge, and
 - software engineering for scalable implementation, fast response and mobility.
- The case for standardizing on ClickSoftware's integrated suite of products is extremely compelling.

Patent Awarded for Continuous Planning and Scheduling



ClickSoftware's products implement many of the ideas and methods described in this patent:

- ClickSchedule
- ClickMobile
- ClickContact
- ClickLocate
- ClickFix
- ClickRoster
- ClickPlan
- ClickForecast
- ClickAnalyze

Mission

To be the worldwide leading provider of workforce management and service optimization solutions for companies:

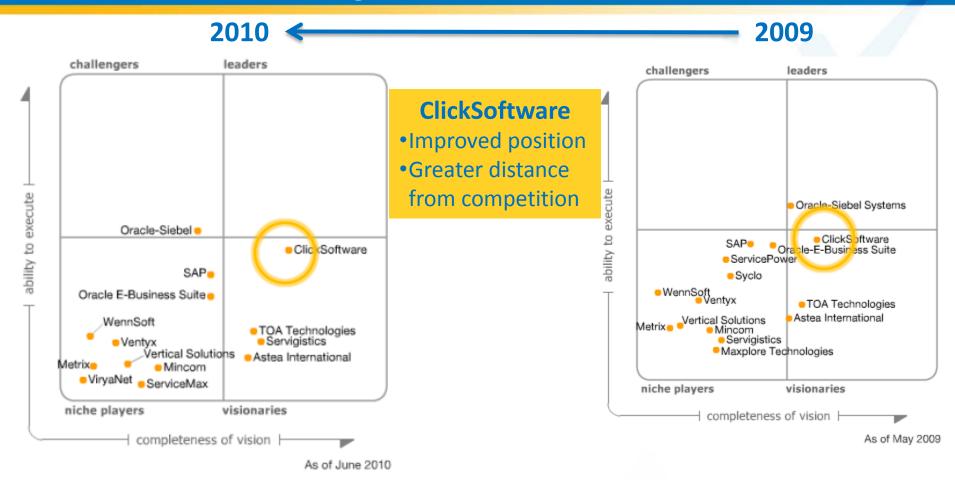
- ✓ Of all sizes,
- ✓ In all verticals/sectors,
- ✓ For all levels in the organization,
- ✓ In all delivery modes; on premise or hosted.
- ✓ In all territories

Aiming High:

When people think 'workforce management', they think ClickSoftware



ClickSoftware on Gartner's Magic Quadrant for Field Service Management



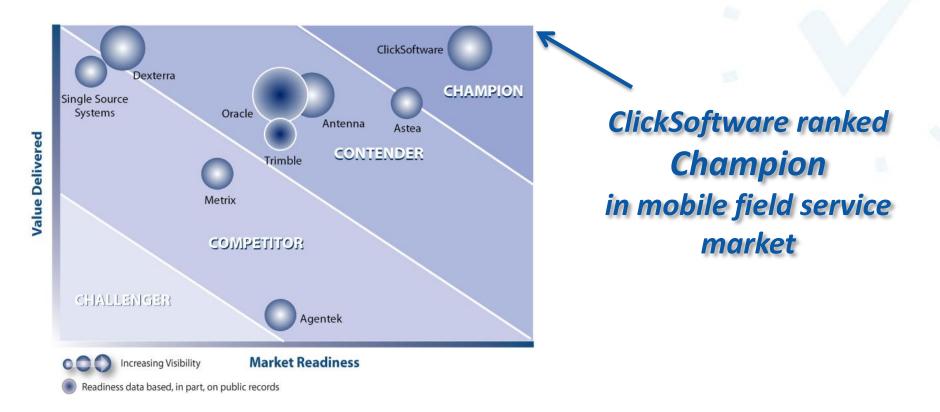
Gartner: "ClickSoftware has the most complete line of products for technician scheduling and optimization of any other vendor in this market. It has extensive configuration and customization tools.

An exclusive focus on field service forecasting, rostering, schedule and dispatch, and a position as the largest

and most stable company of its kind give ClickSoftware credibility and appeal to prospects."



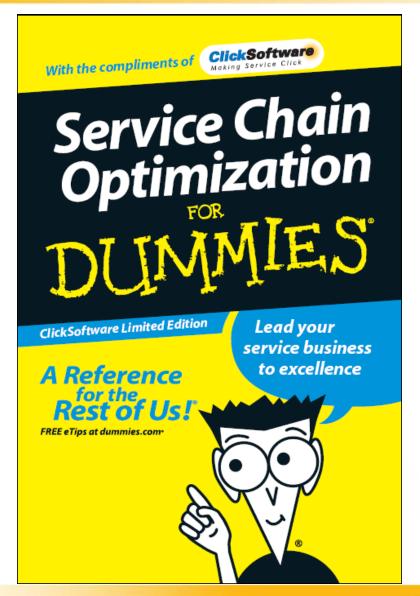
ClickSoftware on Aberdeen's Mobile Field Service AXIS



Aberdeen: "The ability of ClickSoftware to adapt and respond to customer demand and market requirements is a key reason for its above average Market Readiness score. Research and development is the cornerstone of the company and it continues to release new service-specific modules and updates to meet its customers' needs despite tough economic times."



Dummies Book - 2nd Printing





The Service Chain; End to End: Updates



Workforce Management Lifecycle





Planning Horizons and Frequency

Quarterly Planner moves the horizon by 1 quarter every quarter.



Quarterly, 5 year horizon

Monthly Planner moves the horizon by 1 months every month.

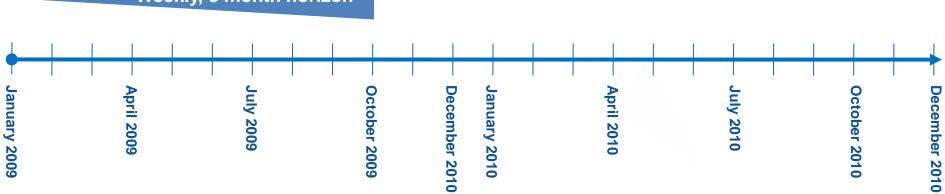


Monthly, 2 year horizon

Weekly Planner moves the horizon by 1 week every week.



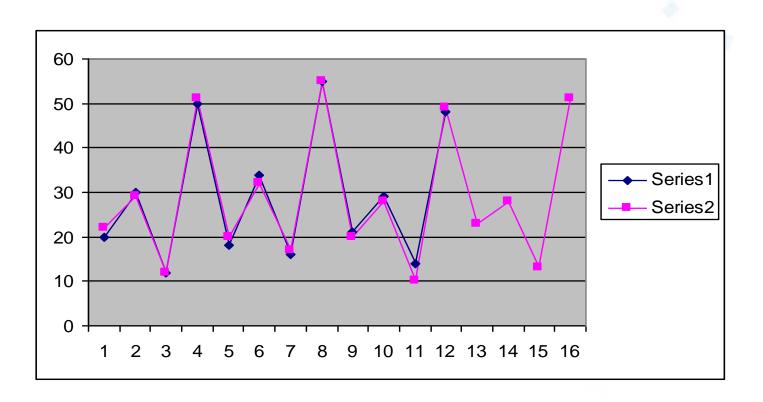
Weekly, 3 month horizon





Forecasting is a Prerequisite for all Planning

 Use of a model to forecast unknown future values based on patterns of past data.





Forecasting: The Scale Challenge

Assume monthly:

# Regions	6
#Districts	10
Total Geo units	60

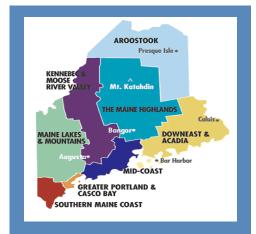
1	Forecasts per month	900
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Time to process 1 forecast manually	1 hour
# Hours required monthly	900
#Forecasters	5 to 6

Cost per year \$700,000

With *ClickForecast* all of these can be obtained with one click!

The Decision Making Chain: 7 Months Earlier...



How many people are required? Where? When?



With what skills?



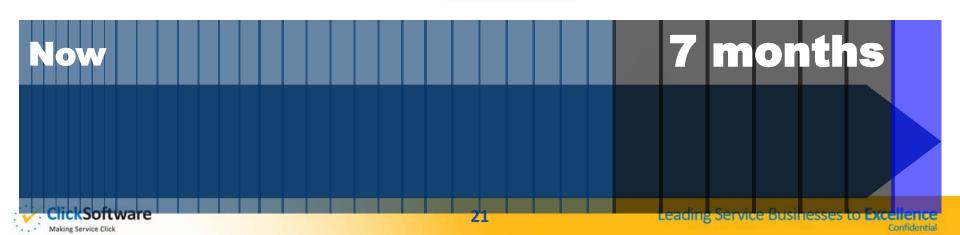
What is the best way to get extra capacity?



How many people can take vacations? When?



What is the best timing for special activities?



The Decision Making Chain: 7 Weeks Earlier...



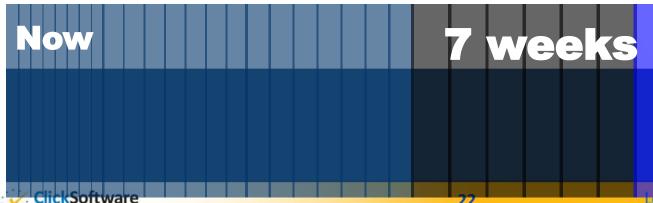
Who can go to training? When?



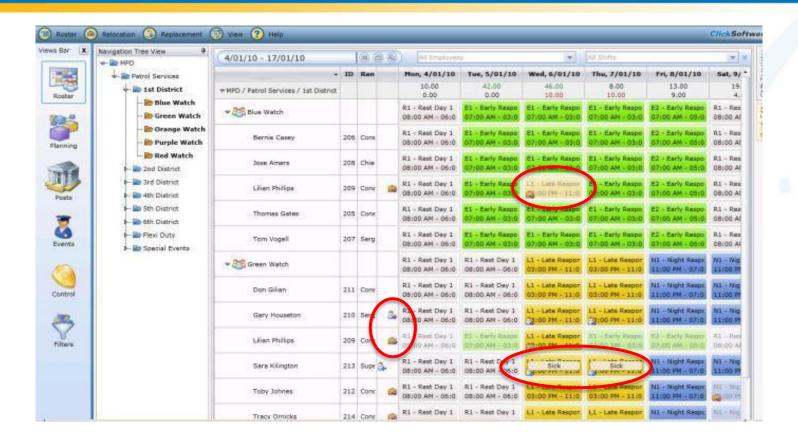
Who works in what shift?



When should I use subcontractors?



Plan, Assign, and Manage All Workforce Shifts



- After planning, we can see the results of the shift plan for any or all segments of the entire force.
- Ability to meet shift demands is shown at the top, and we can easily see icons indicating relocations, and contract violations.



The Decision Making Chain: 7 Days Earlier...



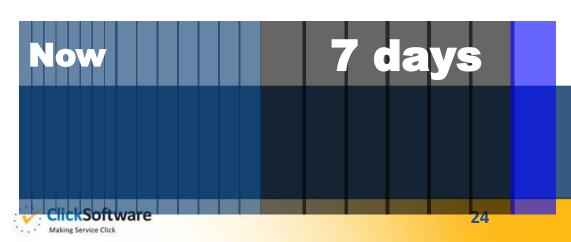
- Can Mary take a day off?
- Thomas will be out for a week (Surgery)...



- How much overtime should be used?
- Use contractors?



How many people are needed in the city center? When?



The Decision Making Chain: 7 Hours Earlier...



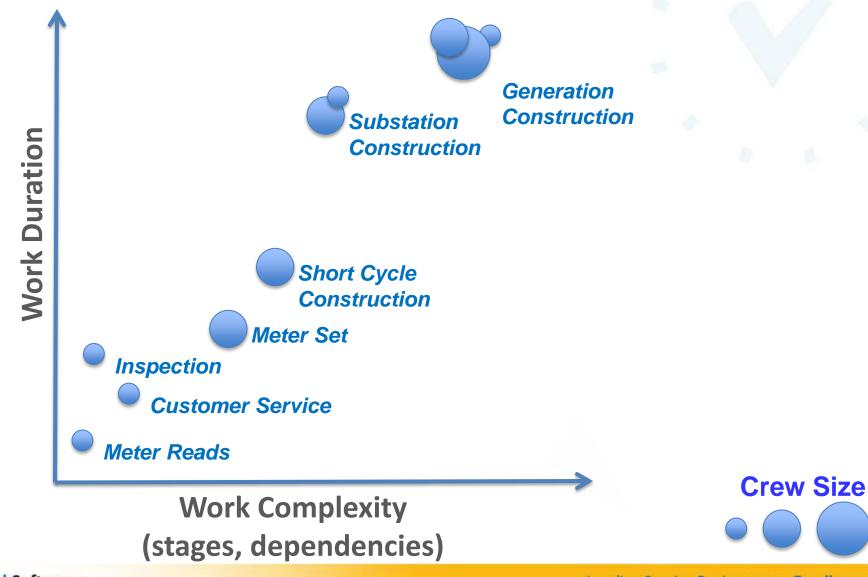
Who does What, Where, When with What and For Whom?

Now 7 hours

Making Service Click

- The "free installation" marketing campaign was too successful!
- Not enough capacity is left for the 23% calls that we get on the day for the day

ClickSoftware Enables Centralized Optimization for All Work Variations

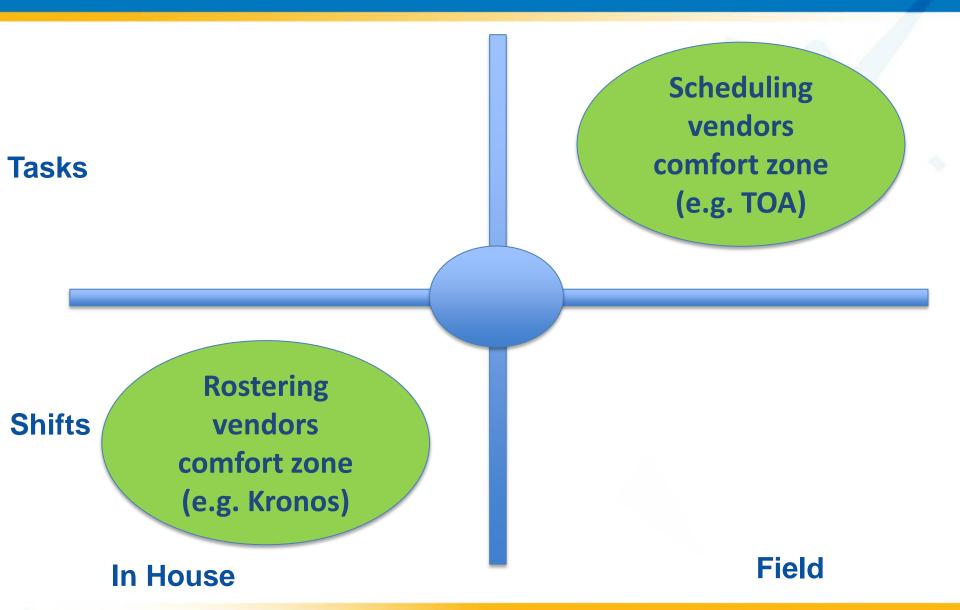




Enterprise Wide Scheduling

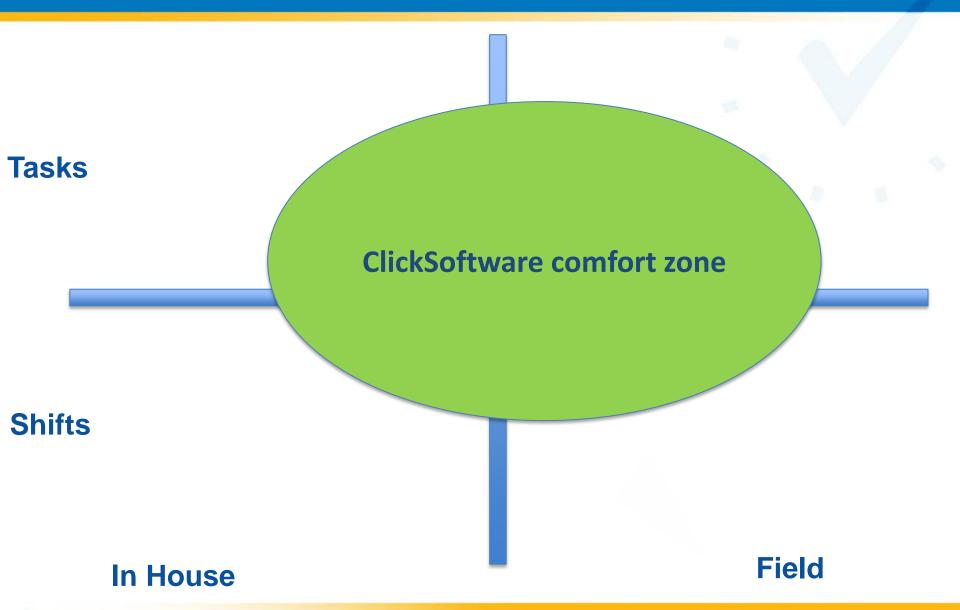


Traditional market segmentation





Traditional market segmentation





Enterprise Wide Scheduling - Examples

- Allocate platform worker to a train
- Allocate a check-in agent at counter to boarding at gate

- Escort prisoners to the court or hospital
- Allocate police officers to event
- Schedule train drivers to services
- Schedule technicians to tasks



- Call center agents
- Check in agents, security and platform workers in airport
- Train station workers
- Cashiers in a supermarket

- Schedule shifts to:
- Police / Fire officers
- Train drivers
- Technicians

In House

Field



Tasks

Shifts

Public Security

Tasks Shifts



In House

Transportation - Railways

Tasks















Transportation - Aviation

Tasks













In House







Utilities

Tasks



Shifts







In House



Telco's

Tasks





Shifts





In House



Retail

Tasks





Shifts



In House



Healthcare



Tasks

Shifts





Home healthcare & hospitalization

In House

Field

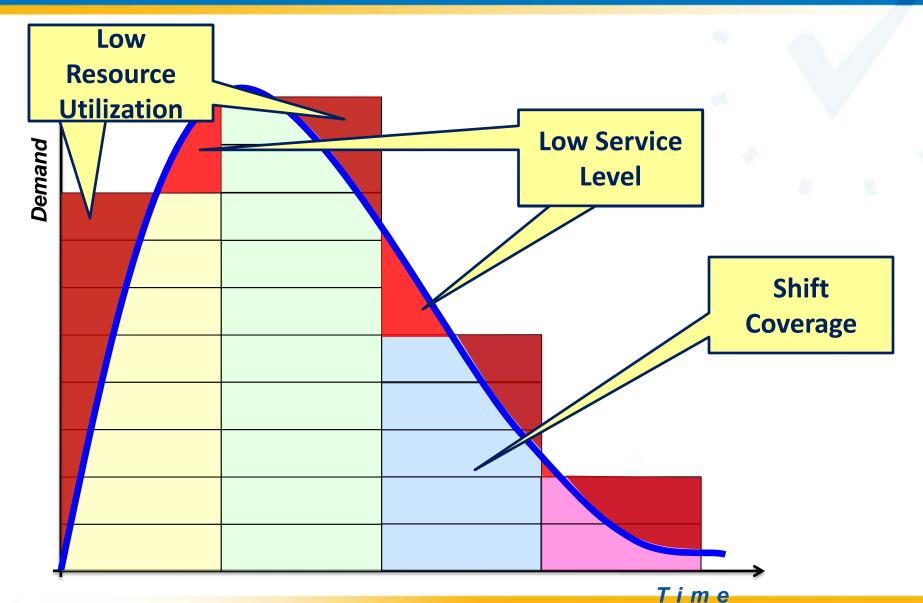


Beyond assigning people to pre-set shifts, ClickRoster designs shift patterns for:

- Maximum demand coverage
- Maximum resource utilization

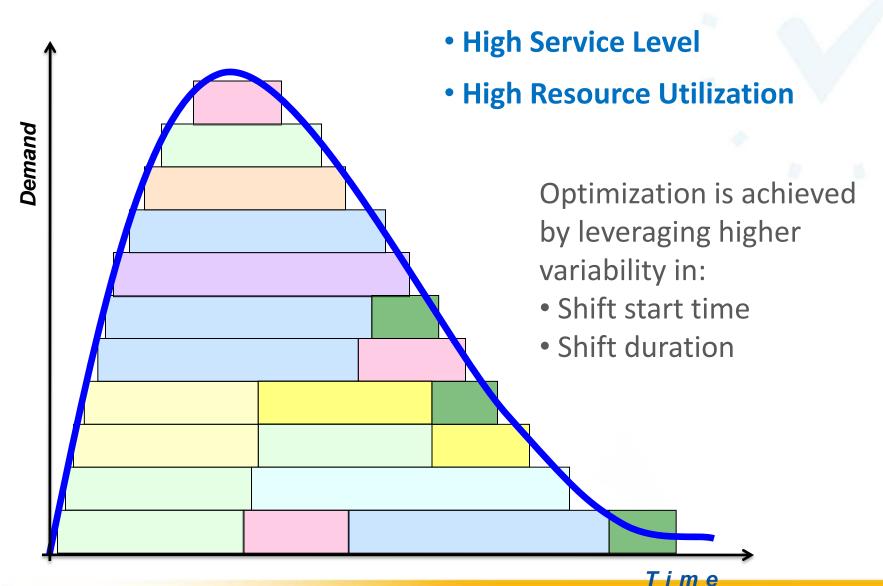


Sub-Optimal Shifts Structure



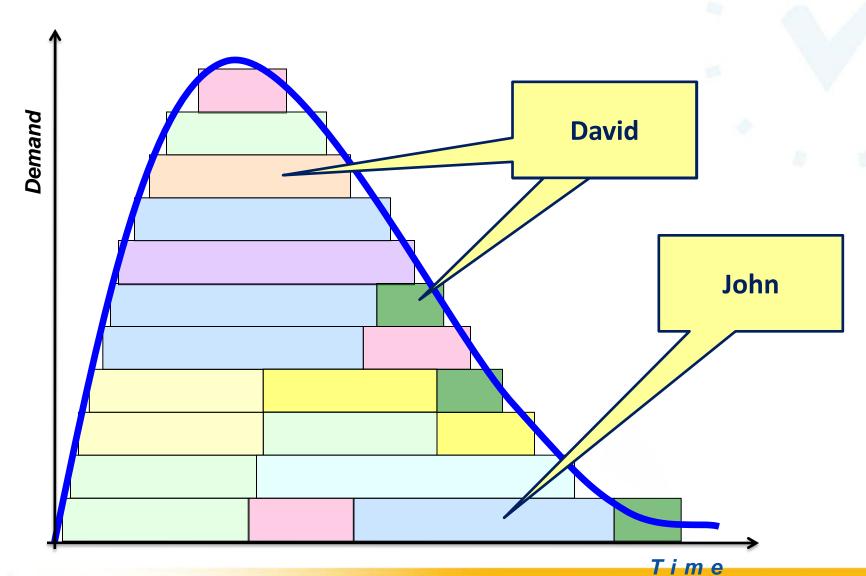


Optimal Shifts Structure



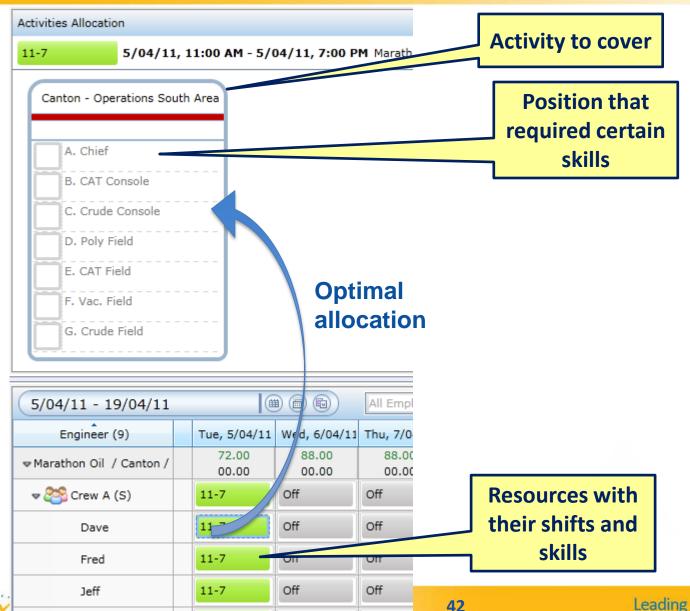


Optimal Shifts Schedule



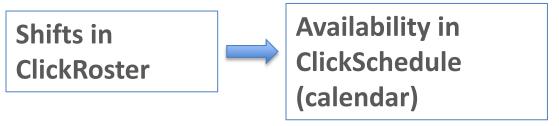


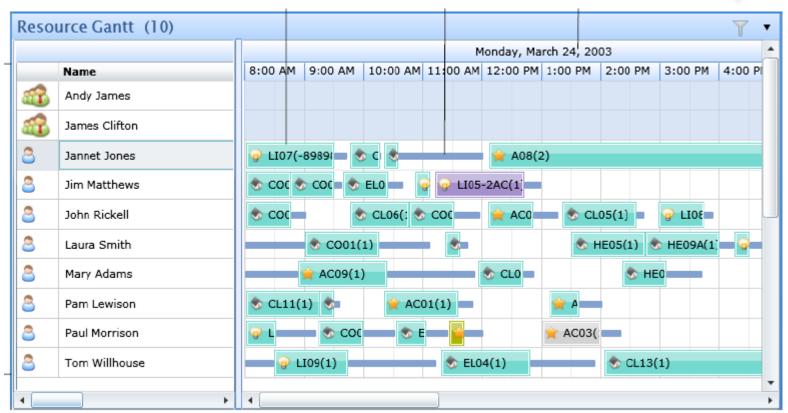
Optimal Position Allocation Within the Shift



Making Service Click

Optimal Tasks Scheduling





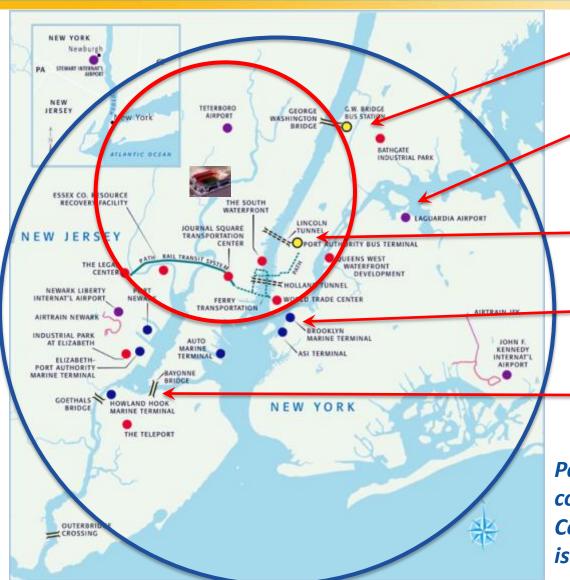


THINK BIG

Workforce Management in A Very Large Scale Event



A Coordinated Workforce of Thousands



Bridges: Toll staff, Police

<u>Airports</u>: Police, Security, Customs & Immigration, Maintenance, Information, Parking

<u>Bus Terminals</u>: Drivers, Ticketing, Maintenance

<u>Port Commerce</u>: Dock staff, Customs & Immigration, Police, Maintenance, Passenger Ticketing

Roadways: Police, Road Maintenance

Personnel may be under your agency's control or from other organizations.

Coordinated management and visibility is critical to effectiveness & efficiency.

The ClickSoftware Equation

Expected Incident Volume & Proactive Programs

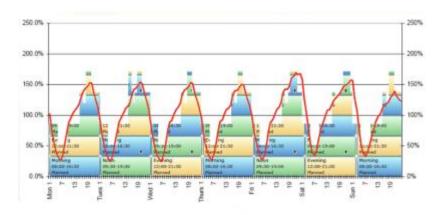


Historical Shift & Incident Demand +
Resource Availability enables police to plan



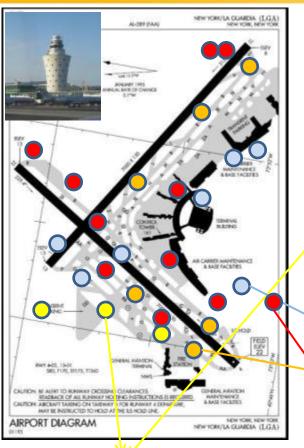


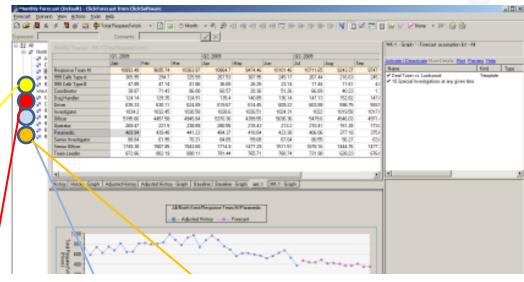






Planning Ahead at Airports & Other Venues





Your Input: Workload by time period (e.g. hour) by worker type, skills, vehicles, location.

ClickSoftware Output: Optimized staffing of shifts based upon policies and employee contracts.



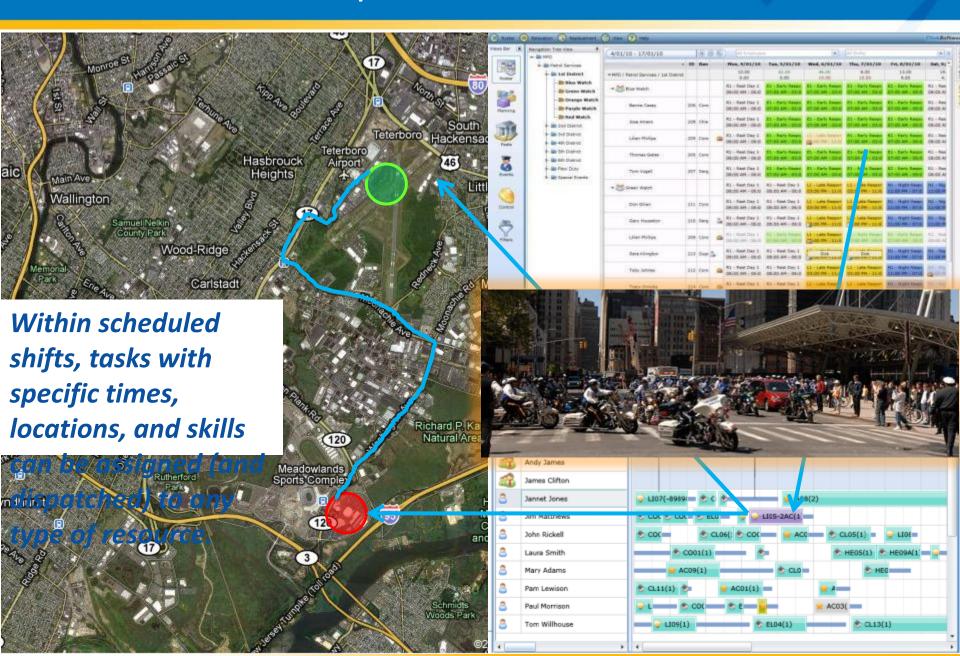








VIP Escort from Airport to the Event



Planning in the Transit System



Drivers



Maintenance



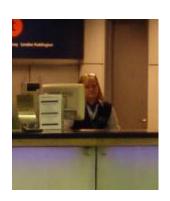
Network Maintenance



Tickets



Station Agents Ticketing



Agents



Platform Workers



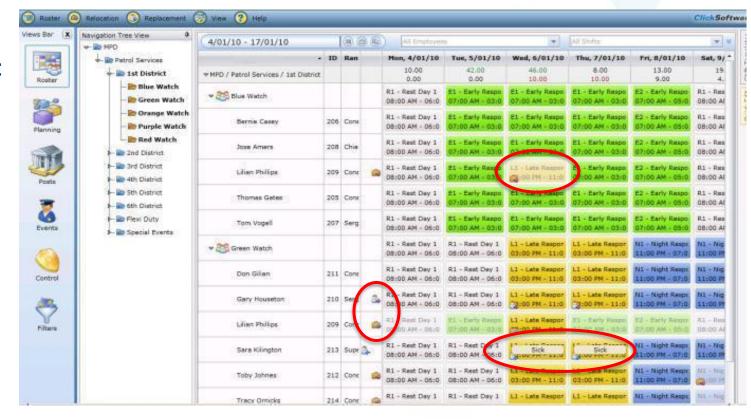
Police



Plan, Assign, and Manage All Workforce Shifts

After planning, we can see the results of the shift plan for any or all segments of the entire force.

Ability to meet shift demands is shown at the top, and we can easily see icons indicating relocations, and contract violations.





Define Teams in Advance

Teams define required roles, skills, & equipment, ...with or without specific resource assignments (e.g. drug investigation).

Teams can be assigned to shifts, to specific tasks and locations (e.g. VIP escort) to respond





Minimize Impact by Reacting Quickly



How do we quickly:

- ✓ Dispatch a crowd & media control team?
- ✓ Move passengers to an alternate station?
- ✓ Change the schedules for all transit drivers on Meadowlands & Bergen Lines?
- ✓ Deploy additional staff to Rutherford Station?





Centralized, Parallel, Quick Workforce Response











✓ Pre-defined crowd control and media teams are automatically filled with qualified people.

✓On-call bus drivers are scheduled to pick-up at Meadowlands and drop-off at Rutherford Station.

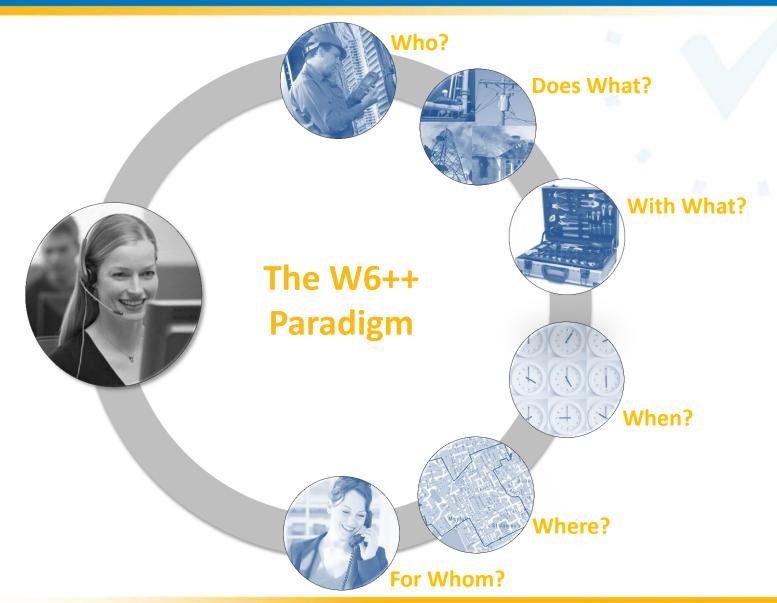
√Operators' schedules (and breaks) are re-optimized according to updated timetables & NJ Transit policies.

✓ Supplementary ticketing & service staff assigned (and scheduled for transfer) to Rutherford Station

The Power of W6++



Workforce Management and Service Optimization





W6+++

- The trademark W6 originally referred to: Who (technician) does What (Job type), for Whom (customer), With what (Tools, spare parts), Where and When
- Since we coined the term we expanded the number of dimensions to be unlimited
- <u>Example 1:</u> you can add "on What" as a 7th W- dimension to indicate the asset being serviced
- Example 2: you can break the With what into two dimensions one for Tools, the other for Spare parts
- Example 3: you can add a dimension for the Vehicle: "riding on..."

UDP and **UDO**

- UDP: Every business object that come with our software can be expanded by any number of user-defined-properties
- UDO: User-Defined-Objects- New generic objects can be defined to represent a new type of players that participate in the application

W6++ Scales to the Ultimate (May 2011)

Version 8.1.4 of our products (May 30 2011), will scale to the ultimate values.

- up to 20,000,000 (20M) W-dimensions (=families of business objects)
- within each dimension up to 2,000,000,000 (2G) objects can co-exist.

This means for example, that in <u>one</u> application instance we can include:

- the entire world population of consumers
- with all their electricity meter readers,
- all the living technicians, and
- their vehicles,....

YES in one application instance.

In memory computing enables large scale automation and optimization, but first you need to have a software program that can represent large scale problems, and that is what W6++ offers,...



Summary



Enterprise Service Chain Optimization

Decision Making Time Horizon

Before

Proactive Management

ClickForecast

ClickPlan

Shift Planning

ClickRoster

The Day of Service

Execution

Daily Scheduling:

Mobility:

ClickSchedule

ClickMobile

ClickLocate

ClickContact

After

Business Intelligence

ClickAnalyze

Our portfolio of solutions are available on premises as well as on demand

SMB Offering

Medium Business:



Small Business (SaaS):



Solution Map of ClickSoftware

- As we increase the coverage of business needs
- And specifically with the introduction of ClickAppStore
- The solution map notion facilitates a businessneed orientation to customer engagements

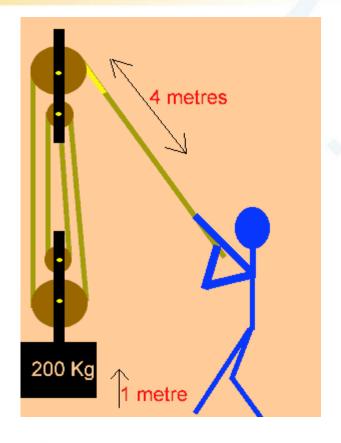


	ClickSoftware	Strategic	Tactical	Execution	Historical
\cup	Integrated Solution Competency	Demand Forecasting Resource & Demand Planning	Demand Mgmt Scheduling	Dispatching Execution Monitoring	Analysis & Refinement
ınagement	Sales & Marketing	Sales Forecasting Plan Marketing & Campaigns	Define Contract Terms New Business Acquisition		Sales Review
Demand Creation & Management	Asset Management	Asset Prioritization Maintenance & Inspection Planning	Planned Outage Management Maintenance & Inspection Scheduling	Emergency Outage Management Outage Restoration Asset Plan Monitoring	Asset Reliability Review
Demand C	Customer Care	Call Volume Forecasting Call Center Shift Planning & Staffing C	Customer Service Customer	Customer Notification Warranty Management Customer Follow-up	Call Center Performance Management
Service Fulfillment	Service Operations	Service Call Forecasting Workforce Planning	Work Order Management Work Scheduling	Work Dispatching C Work Execution C Work Monitoring C	Service Performance Management
Service	Inventory & Logistics	Materials Forecasting Materials Planning	Consumables Procurement Job Materials & Parts Procurement	Materials & Reverse Parts Delivery Parts Request Logistics	Supply Chain Review
ice Support	Human Resources	Employee Maintenance Training & Hiring	Leaves & HR Policy Enforcement	Safety Monitoring	Talent Management
Back Office Su	Finance	Capital Operational Budgeting	Payment & Credit Approval	Warranty Claims Payment Collection Payroll ClickSoftware Workforce Management Solution Map, Ve	Budget Adjustment

Strong Synergies Between Our 4 Growth Engines

- 1. Enterprise field force optimization engine
- 2. Mobility engine,
- 3. Shift planning engine, and
- 4. SMB (Small, Medium Businesses) engine

Choice: On premise or OnDemand or hybrid



Strong synergies between our 4 growth engines create force multipliers.



Thank You!

