



WHOLE LIFE CONSULTANTS LTD

REPORT ON LABOUR FORECASTING FOR CONSTRUCTION

For: XYZ Local Authority
Project: New Sample Project

SAMPLE

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1. Details

This section outlines the brief provided by the client which forms the basis of the forecast which follows.

1.1 Project

The details of the project for which a forecast request was submitted are:

Project Type:	Housing
Location (Region):	UK Average
Project Description (include any reference number	New Sample Project
Total project value (£m):	12
Land Costs included? (£m) (zero if no, value if yes):	0
Site Preparation Costs included? (£m) (zero if no, value if yes):	0
Base year for cost index:	01/01/2010
Estimated project start date:	01/08/2011
Estimated project duration (months):	20
Estimated project end date:	31/03/2013

1.2 Occupation Groups

The request was made for specific occupations. These are:

Senior, executive and business process managers (SOC01)
 Construction managers (SOC02)
 Non construction professional, technical, IT, and other office based staff (excl. managers) (SOC03)
 Wood trades and interior fit-out (SOC04)
 Bricklayers (SOC05)
 Building envelope specialists (SOC06)
 Painters and decorators (SOC07)
 Plasterers and dry liners (SOC08)
 Roofers (SOC09)
 Floorers (SOC10)
 Glaziers (SOC11)
 Specialist building operatives not elsewhere classified (nec) (SOC12)
 Scaffolders (SOC13)
 Plant operatives (SOC14)
 Plant mechanics/fitters (SOC15)
 Steel erectors/structural (SOC16)
 Labourers nec (SOC17)
 Electrical trades and installation (SOC18)
 Plumbing and heating, ventilation, and air conditioning trades (SOC19)
 Logistics (SOC20)
 Civil engineering operatives not elsewhere classified (nec) (SOC21)
 Non-construction operatives (SOC22)
 Civil engineers (SOC23)
 Other construction professionals and technical staff (SOC24)
 Architects (SOC25)
 Surveyors (SOC26)

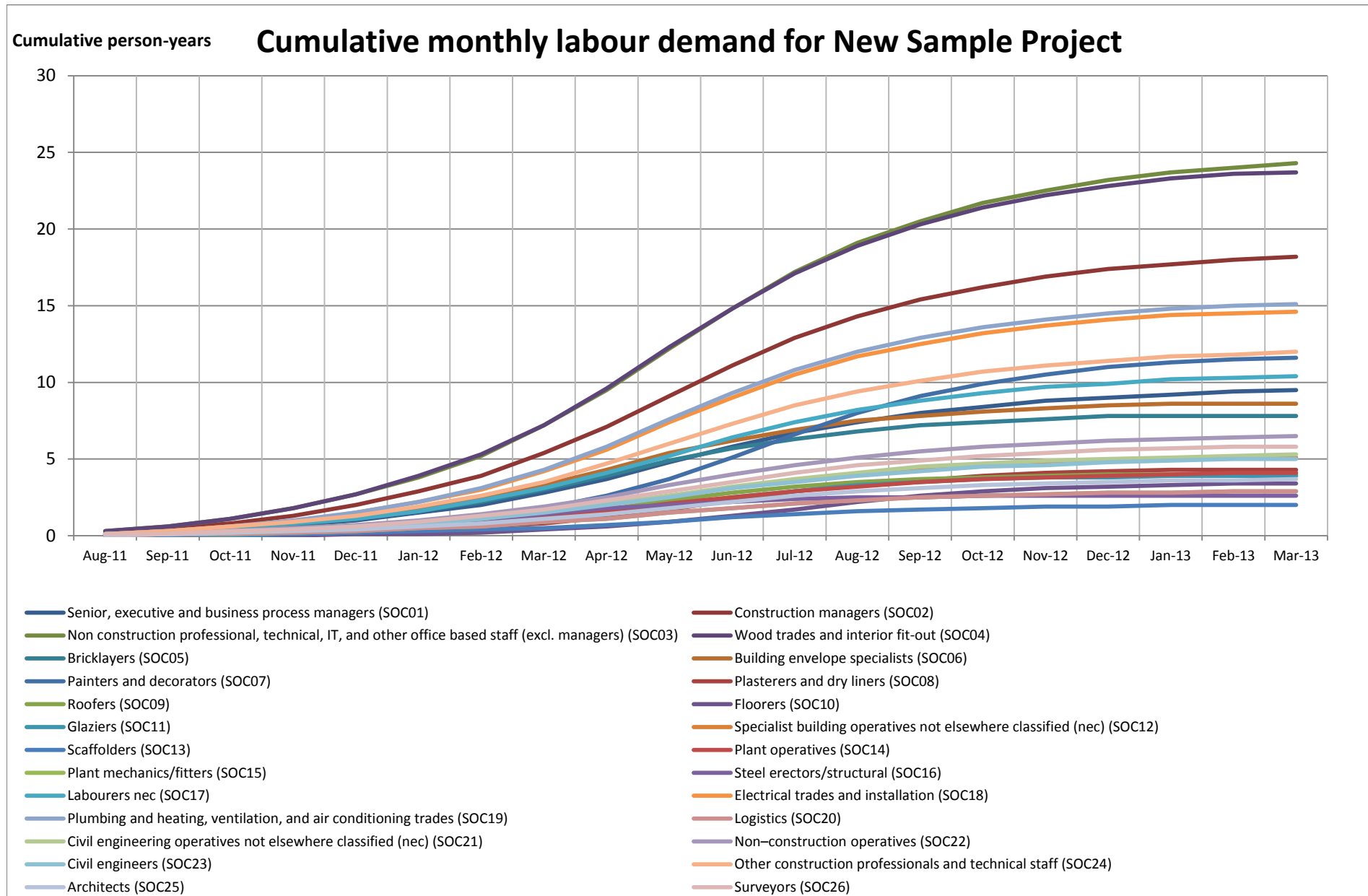
2. Labour forecast

The following labour forecast is based on the project details provided above. This section presents the labour demand in three formats. Two of these are graphical.

2.1. Cumulative monthly labour demand (graphical)

The chart on the following page shows the cumulative labour demand across the project period for the selected occupations. This chart reflects the differences in start times and finish times for different trades.

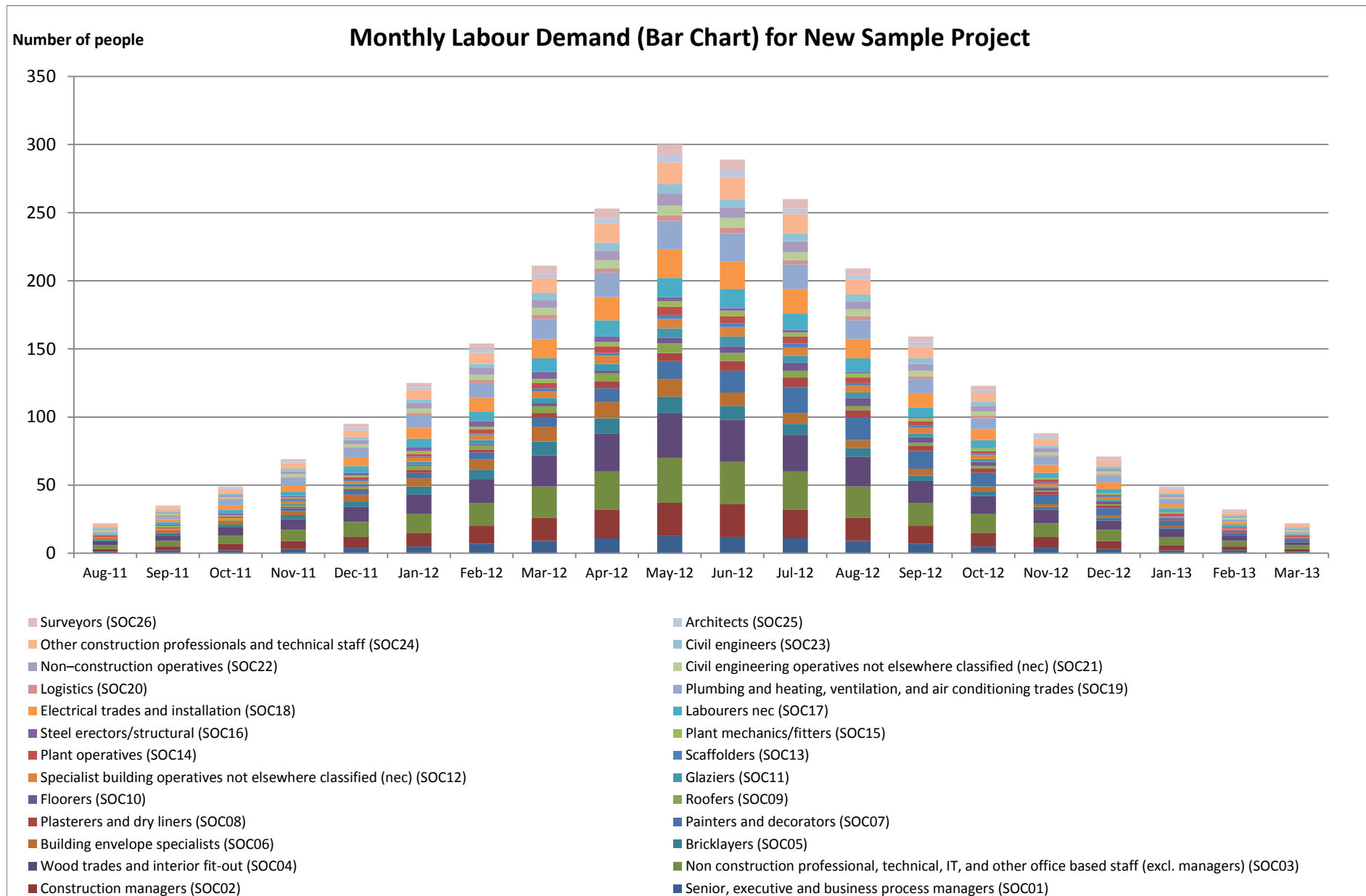
The units used are cumulative person years.

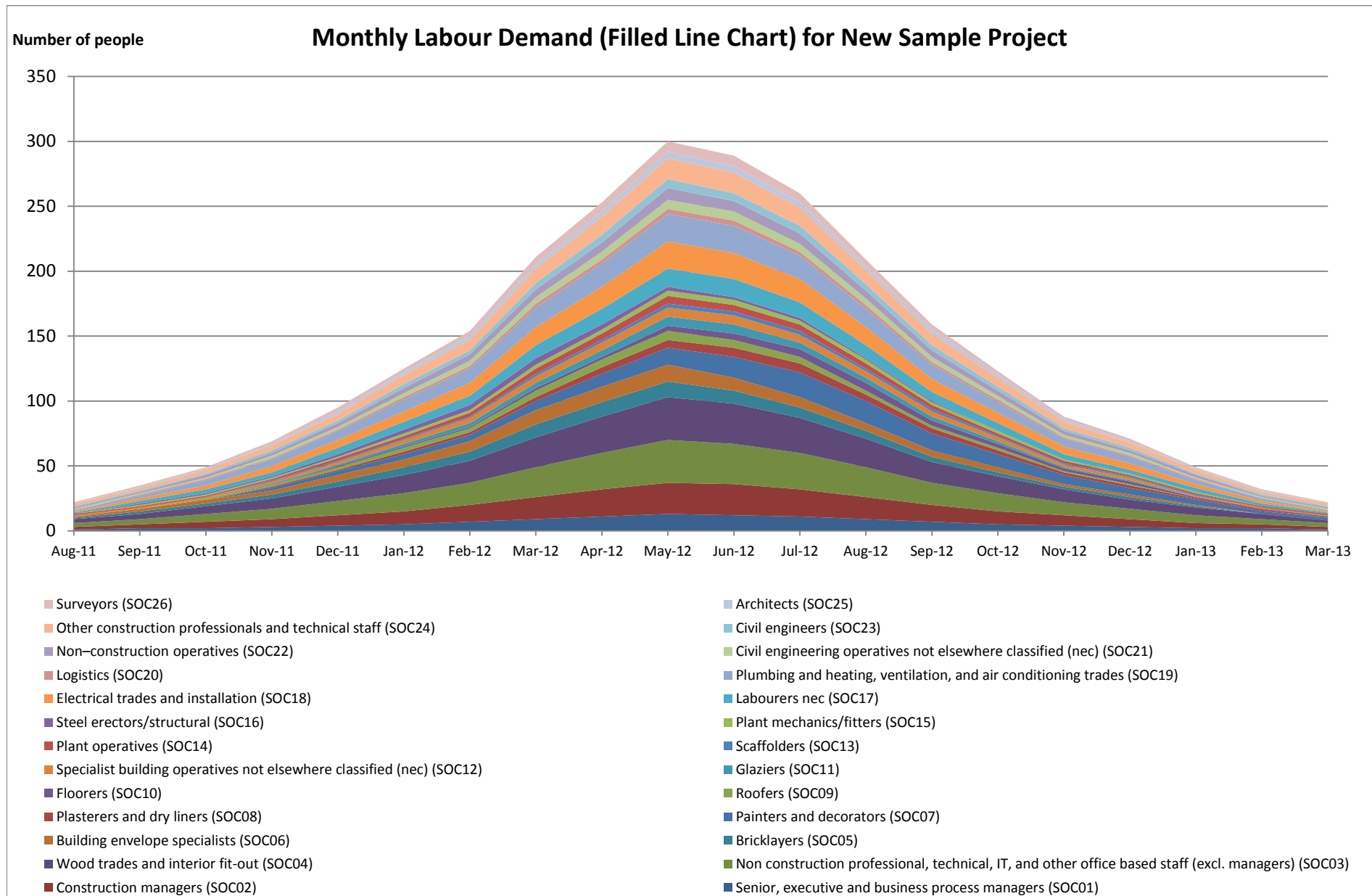


2.2. Graphical monthly labour demand

The charts on the following pages break down the total labour demand across the project to a month-by-month requirement for each trade. This is presented in terms of the number of people employed on the project in each month. Two different means of presenting this are offered. The first is a bar chart and the second is a filled line chart.

SAMPLE





2.3 Monthly labour demand (Tabular)

The table below shows the raw data which is used to create the charts in the previous section.

Month	Senior, executive and business process managers (SOC01)	Construction managers (SOC02)	Non construction professional, technical, IT, and other office based staff (excl. managers) (SOC03)	Wood trades and interior fit-out (SOC04)	Bricklayers (SOC05)	Building envelope specialists (SOC06)	Painters and decorators (SOC07)	Plasterers and dry liners (SOC08)	Roofers (SOC09)	Floorers (SOC10)	Glaziers (SOC11)	Specialist building operatives not elsewhere classified (nec) (SOC12)	Scaffolders (SOC13)	Plant operatives (SOC14)	Plant mechanics/fitters (SOC15)	Steel erectors/structural (SOC16)	Labourers nec (SOC17)	Electrical trades and installation (SOC18)	Plumbing and heating, ventilation, and air conditioning trades (SOC19)	Logistics (SOC20)	Civil engineering operatives not elsewhere classified (nec) (SOC21)	Non-construction operatives (SOC22)	Civil engineers (SOC23)	Other construction professionals and technical staff (SOC24)	Architects (SOC25)	Surveyors (SOC26)
Aug-11	1	2	3	3	1	1	0	0	0	0	0	1	0	1	0	0	1	1	0	1	1	1	1	0	1	
Sep-11	2	3	4	4	2	2	0	0	0	0	0	1	0	1	1	1	2	2	1	1	1	1	2	1	1	
Oct-11	2	5	6	6	2	3	0	0	1	0	0	1	0	1	1	1	3	3	4	1	1	2	1	3	1	1
Nov-11	3	6	8	8	3	3	2	1	1	0	1	2	1	1	1	3	5	5	1	2	2	2	4	1	2	
Dec-11	4	8	11	11	4	5	3	1	2	1	1	2	1	2	1	5	6	7	1	2	3	2	5	2	3	
Jan-12	5	10	14	14	6	6	4	2	3	1	2	3	1	2	2	6	8	9	2	3	4	3	7	2	3	
Feb-12	7	13	17	17	7	8	5	2	3	1	3	4	1	3	2	7	10	11	2	4	5	3	8	3	4	
Mar-12	9	17	23	23	10	11	7	3	5	2	4	5	2	4	3	10	14	15	3	5	6	5	11	3	6	
Apr-12	11	21	28	28	11	12	10	5	6	2	5	6	2	5	3	12	17	18	3	6	7	6	14	4	7	
May-12	13	24	33	33	12	13	13	6	7	4	7	7	3	6	4	14	21	21	4	7	9	7	16	5	8	
Jun-12	12	24	31	31	10	10	16	7	6	5	7	7	3	5	4	14	20	21	4	7	8	6	16	5	8	
Jul-12	11	21	28	27	8	8	19	7	5	6	5	6	3	5	3	12	18	18	3	6	8	6	14	4	7	
Aug-12	9	17	23	22	6	6	17	5	3	6	4	5	2	4	3	10	14	14	3	5	6	5	11	3	5	
Sep-12	7	13	17	16	4	5	13	4	2	4	3	4	2	3	2	7	10	11	2	4	5	4	9	3	4	
Oct-12	5	10	14	13	3	4	10	3	2	3	2	3	1	2	2	6	8	8	2	3	4	3	7	2	3	
Nov-12	4	8	10	10	2	2	7	2	1	2	1	2	1	2	1	4	6	6	1	2	3	2	5	2	2	
Dec-12	3	6	8	7	2	2	5	2	1	2	1	2	1	1	0	3	5	5	1	2	2	2	4	1	2	
Jan-13	2	4	6	6	1	1	4	1	0	1	0	1	1	1	0	3	3	3	1	1	2	1	3	1	1	
Feb-13	2	3	4	4	0	0	2	1	0	1	0	1	0	1	0	2	2	2	0	1	1	1	2	1	1	
Mar-13	1	2	3	2	0	0	2	0	0	1	0	1	0	1	0	0	1	1	0	1	1	1	2	0	1	

3 Training demand (if requested)

The request specified training levels to be defined for each occupation. The table below shows the number of people for each occupation who should be trained in each month given the specified training percentage.

Month	Senior, executive and business process managers (SOC01)	Construction managers (SOC02)	Non construction professional, technical, IT, and other office based staff (excl. managers) (SOC03)	Wood trades and interior fit-out (SOC04)	Bricklayers (SOC05)	Building envelope specialists (SOC06)	Painters and decorators (SOC07)	Plasterers and dry liners (SOC08)	Roofers (SOC09)	Floorers (SOC10)	Glaziers (SOC11)	Specialist building operatives not elsewhere classified (nec) (SOC12)	Scaffolders (SOC13)	Plant operatives (SOC14)	Plant mechanics/fitters (SOC15)	Steel erectors/structural (SOC16)	Labourers nec (SOC17)	Electrical trades and installation (SOC18)	Plumbing and heating, ventilation, and air conditioning trades (SOC19)	Logistics (SOC20)	Civil engineering operatives not elsewhere classified (nec) (SOC21)	Non-construction operatives (SOC22)	Civil engineers (SOC23)	Other construction professionals and technical staff (SOC24)	Architects (SOC25)	Surveyors (SOC26)
Training %	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	
Aug-11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Sep-11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Oct-11	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Nov-11	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	
Dec-11	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	1	0	0	
Jan-12	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	1	0	0	
Feb-12	1	1	2	2	1	1	1	0	0	0	0	0	0	0	0	1	1	1	0	0	1	0	1	0	0	
Mar-12	1	2	2	2	1	1	1	0	1	0	0	1	0	0	1	1	1	2	0	1	1	1	1	0	1	
Apr-12	1	2	3	3	1	1	1	1	1	0	1	1	0	1	0	0	1	2	2	0	1	1	1	1	0	1
May-12	1	2	3	3	1	1	1	1	1	0	1	1	0	1	0	0	1	2	2	0	1	1	1	2	1	1
Jun-12	1	2	3	3	1	1	2	1	1	1	1	1	0	1	0	0	1	2	2	0	1	1	1	2	1	1
Jul-12	1	2	3	3	1	1	2	1	1	1	1	1	0	1	0	0	1	2	2	0	1	1	1	1	0	1
Aug-12	1	2	2	2	1	1	2	1	0	1	0	1	0	0	0	0	1	1	1	0	1	1	1	1	0	1
Sep-12	1	1	2	2	0	1	1	0	0	0	0	0	0	0	0	1	1	1	0	0	1	0	1	0	0	
Oct-12	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	1	0	0	
Nov-12	0	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	
Dec-12	0	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	
Jan-13	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Feb-13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mar-13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0