

A WARNER BROS. PICTURES PRESENTATION

A PETER SAFRAN PRODUCTION

A JAMES WAN FILM



CAST

Arthur	JASON MOMOA
Mera	AMBER HEARD
Vulko.....	WILLEM DAFOE
King Orm	PATRICK WILSON
Atlanna	NICOLE KIDMAN
King Nereus	DOLPH LUNDGREN
Manta	YAHYA ABDUL-MATEEN II
Tom Curry.....	TEMUERA MORRISON
Captain Murk	LUDI LIN
Jesse (Manta's Father)	MICHAEL BEACH
Dr. Stephen Shin	RANDALL PARK
King Atlan.....	GRAHAM McTAVISH
Cargo Pilot	LEIGH WHANNELL
Young Arthur (three years old)	TAINUI KIRKWOOD
	TAMOR KIRKWOOD
	DENZEL QUIRKE
Young Arthur (nine years old)	KAAN GULDUR
Young Arthur (thirteen years old)	OTIS DHANJI
Young Arthur (sixteen years old)	KEKOA KEKUMANO
Karathen (voice).....	JULIE ANDREWS
Brine King (voice)	JOHN RHYS-DAVIES
King Ricou (voice)	DJIMON HOUNSOU
Brine King & King Ricou	ANDREW CRAWFORD
Fisherman Princess	SOPHIA FORREST
Queen Rina.....	NATALIA SAFRAN
Newscaster	MICAH D. OHLMAN
Mike (bully)	JACK ANDREW
Matt (bully)	FRANKIE CREAGH-LESLIE
Tour Guide (aquarium)	SOPHIA EMBERSON-BAIN
Submarine Captain	ILYA MELNIKOFF
Submarine Pirate	HANK AMOS

Submarine Crew Member KYRYL KOLTSOV
 Cue Ball PATRICK COX
 Biker..... LUKE OWEN
 Professor James ROBERT LONGSTREET
 Newscaster Morgan DEVIKA PARIKH
 Metalsmith SONNY LE
 Italian Vendor JON FABIAN
 Italian Young Girl MABEL TAMONE
 Italian Old Woman RITA DINARDO
 Barfly ANTHONY STANDISH
 Italian Mother..... NICOLETTA BIANCA
 Flower Stall Vendor..... VICTOR LETO
 Italian Bell Father VINCENT B. GORCE
 Italian Bell Girl GABRIELLA PETKOVA
 Italian Bell Mother..... ORIANA IACONO
 Ancient Atlantean Woman..... PEARL ALICE GRANTHAM
 Ancient Atlantean Child NOA TSUCHIYA
 Arthur's Teacher..... ALICE LANESBURY
 Atlantean Soldier #1 NICOLAS BOSC
 Atlantean Soldier #2 JOSHUA LEVINSON

Stunt Coordinators R.A. RONDELL
 KYLE GARDINER
 Fight Coordinator..... JON VALERA

Stunts

LEE ADAMSON	TORI ADAMSON	BRONWYN AKHURST	ANDREW ALLEN
JADE AMANTEA	DANIEL ANDREWS	CORY BEESTON	JOANNA BENNETT
ISAAC BERNAUER	DAMIEN BRYSON	JAX BRYSON	ELISSA CADWELL
ELISABETH CARPENTER	ROBBIE CLISSOLD	RHYE COPEMAN	JONATHAN COSTELLOE
ASTON CRABTREE	MANA HIRA DAVIS	PHILIPPE DESECK	MIKE DUNCAN
STEPHEN DUNLEVY	CLINT ELVY	KIM FARDY	KYLE FREEMANTLE
JOHNNY GAO	DANIEL GRAHAM	WILL GREENBURG	CHAN GRIFFIN
GARY GROVE	CALEB GUINERY	GARRETH HADFIELD	NIGEL HARBACH
CRAIG HENNINGSEN	NEAL HORTON	KELLY JONES	JACK KINGSLEY
ALEX KUZELICKI	MARISSA LABOG	JACE LEE	BLAKE LINDSELL
KAREN LUCKMAN	BRITTANY LEE MORRIS	STEPHEN MURDOCH	SIMON MURRELL
MELANIE PEYTON-SMITH	CARLY REES	JOHN REYNOLDS	ANTHONY RINNA
RICHARD RHODES	LACHLAN ROBBIE	SHAHAUB ROUDBARI	BEN SIEMER
MARCO SINIGAGLIA	JOSHUA SMITH	HAYDEN STEWART	RYAN TARRAN
DON THAI THEERATHADA	NICK TURELLO	CONNOR VAN VUUREN	HAYLEY WRIGHT
KOFI YIADOM			

FILMMAKERS

Directed by..... JAMES WAN
 Screenplay by..... DAVID LESLIE JOHNSON-McGOLDRICK
 and WILL BEALL
 Story by..... GEOFF JOHNS & JAMES WAN
 and WILL BEALL
 Produced by PETER SAFRAN, p.g.a.
 ROB COWAN
 Executive Producers..... DEBORAH SNYDER

ZACK SNYDER
JON BERG
GEOFF JOHNS
WALTER HAMADA

Based on Characters from DC
Aquaman created by
PAUL NORRIS and MORT WEISINGER

Director of PhotographyDON BURGESS, ASC
Production Designer..... BILL BRZESKI
Edited byKIRK MORRI
Music by..... RUPERT GREGSON-WILLIAMS
Music Supervisor MICHELLE SILVERMAN
Visual Effects Supervisor KELVIN McILWAIN
Visual Effects Producer KIM NELSON LOCASCIO
Costumes Designed by..... KYM BARRETT
Casting by ANNE McCARTHY
KELLIE ROY
Second Unit Director JOHN MAHAFFIE
Unit Production Manager..... ANNE BRUNING
First Assistant Director SIMON WARNOCK
Second Assistant Director..... DEBORAH ANTONIOU
ILM Visual Effects Supervisor JEFF WHITE
Scanline Visual Effects Supervisor BRYAN HIROTA
Supervising Art Director..... RICHARD HOBBS
Art Directors DESMA MURPHY
MICHELLE McGAHEY, APDG
EUGENE INTAS
BILL BOOTH
PETER WYBORN
Assistant Art Directors.....JENNY HITCHCOCK
TONY DREW
Art Coordinators LAUREN EVANS
LINDSAY GOOD

Set Designers

AXEL BARTZ	DAVID CHOW	TIM CROWSHAW
NATHAN BLANCO FOURAUX	MARTHA JOHNSTON	ANDREW KATTIE
KEVIN LOO	TERESA MEOLI	ROSS PERKIN
SIOBHAN PURKIS	RACHEL VAN BAARLE	TONY WILLIAMS

Model Maker..... GARY CAMERON
Graphic Designers..... LUCINDA McGUIRE
MICHAEL EPSTEIN
Screen Graphics Artist MARTIN CROUCH
Draftsmen.....BENJAMIN DONNELLY
AIDAN GRAY

Concept Illustrators

WAYNE BARLOWE	PASCAL BLANCHE	JAMES CARSON
MATT DONNICI	JEREMY LOVE	SCOTT LUKOWSKI

VICTOR MARTINEZ
BRAD NIELSEN
MUKESH SINGH

ROB McKINNON
CHRISTIAN SCHEURER
HOWARD SWINDELL

EDWIN NATIVIDAD
SEBASTIAN MEYER

Visual Consultant..... JOHN FOX

Illustrators

JAMES DOH
DARRYL HENLEY

COLLIN GRANT
MARTIN MERCER

MATT HATTON
BRENDAN TOLLY

Lighting Technicians

PAUL JOHNSTON
RICHARD CAMPBELL
MARK WATSON

SAM McKINNON
BRETT LEASK
BEH WATTENBERG

PETER CHITTLEBOROUGH
RAYMOND GODDARD
JACKSON TUCHSCHERER

A Camera Steadicam Operator PETER McCAFFREY
A Camera 1st Assistant DONAL STEINBERG
A Camera 2nd Assistant ROBBIE MACKINNON
B Camera Operator MICHAEL BURGESS
B Camera 1st Assistant DAVID ELMES
B Camera 2nd Assistant NAOMI SHARP
C Camera Operator/ DP Insert Unit..... CALUM McFARLANE
C Camera 1st Assistant SCOTT DOLAN
C Camera 2nd Assistant..... JEREMY WHEATLEY
Additional Camera Operator..... DARRIN KEOUGH
Camera Utility..... ALEC SCHULTZ
Digital Imaging Technician JASON BAUER
Drone Pilots STEPHEN OH
LUKE ANNELLS
Drone Camera Operator ROBERT STAGG
Drone 1st Assistant Camera..... BRETT TRACEY
CableCam..... TODD SEMMES
Post Production Supervisor..... JOSHUA LEVINSON
1st Assistant Editors..... CARLOS M CASTILLÓN
KEVIN HICKMAN
DAVE CORY
2nd Assistant Editors TRAVIS CANTEY
JOEY AMRON
DANIEL O'BRIEN
MANDY JACOBS
Post Production Coordinator DANE MADDOCK
Post Production Assistant HENNAH SEKANDARY
Visual Effects Editors JEREMY BRADLEY
PAUL PARSONS
BRAD MINNICH
ROLF FLEISCHMANN
Visual Effects Assistant Editors..... JOHN P. HUSKY
TOM ERICKSON
Visual Effects Supervisor CHARLES GIBSON
Visual Effects Consultant JAMES E. PRICE
Additional Visual Effects Supervisor JIM BERNEY
Additional Visual Effects Producers..... TRICIA MULGREW

Visual Effects Co-Producers ALEX BICKNELL
 CRYSTAL DOWD
 PATRICK HURD
 CHRISTINE FELMAN
 Visual Effects Associate Producer SARAH STITELER
 Visual Effects Production Supervisor ILENE KIM
 Visual Effects Coordinators SOFIA PORTANTINO
 ZAHIDA BACCHUS
 Visual Effects Assistant Coordinators ALBERT WHITEMORE
 DEREK FORTUNA
 MANDEE YOUSE
 Visual Effects Data Coordinator AARON C. CORNWALL
 Visual Effects Accountant JASON HINKEL
 Visual Effects Office Production Assistants CELINE VILLAGRAN
 ALLIE GLISCH

Visual Effects Australian Unit

Visual Effects Digital Production Supervisor DANIEL CHAVEZ
 Visual Effects Production Supervisor LOUISE McNICHOLL
 Visual Effects Lead Data Wrangler SHYAM YADAV
 Visual Effects Data Wranglers DAVI SOESILO
 ALISTAIR JAMIESON
 Visual Effects Witness Camera Operators CALLUM RICHARDSON
 NILS NILSSON
 Visual Effects Coordinator JODIE WESTON
 Visual Effects Assistant Coordinator DANIELLE STURTON
 Visual Effects Set PAs DARIENNE ALPHONSO
 BEN RIDGWELL
 SABRINA LANGRIDGE
 HAYLEY BOOTH

	Additional Visual Effects	
ELIZABETH HOWE	ALISHA LIM	JOHN PALMER
THOMAS RUBENDALL	CLAYTON SHANK	VIRGINIA WILSON

	In House Visual Effects	
CHRIS DAWSON	BETHANY ONSTAD	ALEXANDER WOLFE
HUBERT CARROLL	ERIC DEINZER	SCOTT GASTELLU
NICHOLAS ONSTAD	EION-RAY PATTERSON	LEROY RICHE
ERNEST SANCHEZ	RICHARD NEWSOME	

Supervising Sound Editor / Sound Design PETER BROWN
 Supervising Sound Editor / Sound Design / Re-recording Mixer JOE DZUBAN
 Re-recording Mixer TIM LEBLANC
 Supervising ADR Editor GLYNNA GRIMALA
 Supervising Dialogue Editor KIRA ROESSLER
 Assistant Supervising Sound Editor PAUL AULICINO, M.P.S.E.
 Sound Design STEPHEN P. ROBINSON
 ELIOT CONNORS
 HARRY COHEN
 Supervising Foley Editor SHANE HAYES

Mix Technician	MARK PURCELL
Mix Stage Engineers	TONY PILKINGTON RYAN MURPHY
Sound Editorial Services provided by.....	FORMOSA FEATURES
Sound FX Recordist and Librarian	CHARLIE CAMPAGNA
Engineering Support	ERIC BEAM
ADR Mixer	THOMAS J. O'CONNELL
ADR Mix Technician	RYAN D. YOUNG
Foley Artists.....	CATHERINE HARPER CATHERINE ROSE
Foley Mixer.....	DARRIN MANN
Stereo Supervisor	MARCUS ALEXANDER
Stereo Producer.....	NICOLE ROWLEY
Stereo Production Supervisor	KATIE HOYT
Stereo Editor	BRETT SCHLAMAN
Stereo Coordinator	HAILIE YANG
Production Supervisor.....	NICHOLAS COPPING
Production Office Coordinator	CANDICE PREDDY
Assistant Production Coordinator	KATE WEATHERLY
Travel Coordinator.....	JAMES COWLING
Production Secretary.....	MURRAY ALFORD
Staff Assistant	KIM MAYES
2nd 2nd Assistant Directors	TOM HOOPER NERIDA GROTH
Third Assistant Directors	MIKE O'CONNOR SOPHIE McWILLIAM-KERRY GREG TYNAN

On Set Production Assistants

TOM McCAW	KYE APPLETON	LUKE DUNHAM
KRIS KEEVERS	ELISHA RASHLEIGH	EMILE VORSTER

Production Liaison	GARY BARBOSA
Digital Asset Manager	SUSIE PILZNINSKI
Assets Manager.....	RYAN MAKEPEACE
Clearances	LIZ CAMERON
Financial Controller	ROBERT THREADGOLD
Production Accountant.....	ANGELA KENNY
1st Assistant Accountant.....	PRUE WILLIAMS
Payroll Accountants	SHARON TRIBOLET HINERAU MARK
Assistant Accountants	TABITHA TENDOLLE MAREE BURKE MANDY PIRIMONA MORGAN WOODBRY NAVNEETA HINZ KAREN GARDNER
Set Decorator	BEV DUNN
Set Decorating Coordinator	PETA LOGAN
Set Decorating Assistant.....	CLAIRE BRYANT
Lead Man	TIM WEBB
Standby Dresser	MARK HARMAN

Set Dressers

SHANE AUMONT
GRAHAM DUNN
KARLEEN HARRINGTON
WILLIAM McLAGGAN
JOSHUA PEARCE
IRENE SEETO
HARRISON TRUBIE

ANDREW CRICHTON
DOUG FRANKS
BRODIE JENKINS
BRODIE McLENNAN
SAM ROSE
CHARLIE SHELLEY
DANIEL WARING

SEAN DONOVAN
SIMON GILL
JOHN KELLY
YVETTE MILLIST
EMMA RUDKIN
RACHEL STEEDMAN

Set Graphics HANNAH TEEFY
JOEL DIMMACK
BRIAN CARLIN

Propmakers

CAROL BEACHAM
BEN DELORGER
CORNELIS VAN DEN BOOGAART

GENEVIEVE BLEWITT
MARK DIXON

MATTHEW GODFREY
LOTTA MADDEN
MEL YOUNG

Screen Graphics Playback Programmer..... CHRIS WILSON
Screen Graphics On-Set Technician STEVE PAUL
Animal Wranglers KATIE BROCK
JOHN MEDLAND
JOEL MEDLAND
Property Master..... RICHIE DEHNE
Assistant Property Masters RICHARD MANSFIELD
EMILE OLIVER

Props

BRETT BEACHAM
STEVE BRISTOW
BERN CASTLE
JASON COWIE
NIC GRIBBEN
MATT HENDRY
SHARON KENNEDY
BYRON McGILVRAY
MARY DE QUETTEVILLE ROBIN
JESSE SCULLEY
MATTHEW WHETTER

JOSH BEACHAM
CHRIS BRITTON
ERIN COTTON
ADAM COYLE
KAREN GROSE
TOBIAS JAHKE
TRISTAN LUCAS
STEVE PARKER
PHILIP RYLANCE
FRANCESCA SEBATO

SHANE BENNETT
JOHN BURLESS
HANNAH CROSBY
MICHAEL ELVIDGE
MICHAEL GROSE
ELLSHA JAMES
RACHEL MINCHIN
MARIA-ROSE PAYNE
JOHN SATLER
TONY VOEVODIN
TYLER WHITE

Concept Illustrators DANE HALLET
EDDY TAYLOR
ROWAN CASSIDY
LIAM BECK
Standby Weapons RIMMA ARANCHIKOV
Head Armourer GIDEON MARSHALL
Assistant Armourer JULIAN HALL
Greens Supervisor RON WALLEKERS

Greensmen

RAIHANA BOWMAN

JOE FRANK

ADELE FRASER

LANA GROSE
ANDREW McNIECE

JOE HARBOUR

STEVE KENNEALLY
NOEL O'MALLEY

Marine Coordinator..... CARL BLACKLIDGE
Marine Safety.....ANDY SMITH
RYAN HIPWOOD
Production Sound Mixer..... GUNTIS SICS
Boom Operator..... BEN WYATT
2nd Boom Op / Cable Assistant..... ARON DYER
Video Assist Operator..... LUIS OLIVARES
Video Assistant ANDREW JACKSON
Script Supervisor.....JODY BLOSE
Chief Lighting TechnicianSHAUN CONWAY
Best Boys MATT LINFOOT
JASON POOLE

MARK BILLS
MATTHEW HARTE

Lighting Technicians
AARON CORDERY
DAVE TILBUREY

TOM DOYLE
PETER WHITBY

Rigging GafferCRAIG CLARK
Rigging Best Boy..... JOE STICK

STEPHEN HEAD
ROB O'DOHERTY

Rigging Electricians
GREG DALEY
CLINTON ROCHE

MATT GOULDER
MAX VICARY

Key Grip..... DAVID NICHOLS
Best Boy GripsBENN HYDE
MARCUS BALLANTINE
Dolly Grips BRETT McDOWELL
SCOTT BROKATE
MATT COULAM
MAL BOOTH
Grip Assist - A Camera..... CHARLIE HOWELL-LOWE
Grip Assist - B Camera..... JOHN DOLAN

MARK BROWN
LARRY FAGAN

Grips
WALTER BURKHARDT
RAKI WHITE

EVAN KROGH

Scorpio Crane Technician..... MATT COPPING
Key Rigging Grip.....DAVE THOMSON
Best Boys ROSS BUTLER
DREW SCHUSTER
Rigging Grips..... TODD CARMODY
NICK NORRIS
RAKKI WHITE
Asst. Costume Designer.....CHELSEA STAEBELL
Costume Supervisors MEL DYKES
HELEN MAGGS
CAROLYN DESSERT-LAUTERIO

Costume CoordinatorMELISSA CRABTREE
Costume BuyersNATALIE GARDNER
PENNY KELLY

Costumes

STEPHANIE AMANTEA	DEBORAH AMBROSINO	VICKY ANTONYAN	MEG ASHFORTH
ALEX BARTON	SUE BOOTH	NAT BRACHER	JANINE BRAY
LEIGH BUCHANAN	ERIN-LOUISE CARDOO	AURELIA CAUX	LI-SA CHOI
IAN CHURCHILL	SIOBHAN CLARIDY	NICOLA CLEGG	SOPHIA CORONADO
ALEXI CREECY	VENITA DERBYSHIRE	VANESSA DODMAN	SAM ELIAS
LISA FULLERTON	VICTORIA GARCIA	REBECCA GARDINER	MELANIE GHISAYS
ANTHEA GOVETT	ALICE DE GROOT	CAMILLA HANSEN	JAMELLA HASSAN
VAN HUA	LAUREN HUNTER	ZANE KOMEME	LAUREN KENYON
SARAH KHAN	STACIA LANG	ANNALIES LOVE-LINAY	KEIR MALEM
CHRIS MARINOVICH	VICKI MARTIN	MARLENE McIVOR	RACHELLE MEJIA
RAMIE MOUSSA	AMY MITCHELL	LIZ OLIVER	ANNA HEROLD POLA
LAURA RENOUF	KELLY RIDGEWAY	GABRIELE SCHMIDT	ELVIS SCHMOULIANOFF
EMMA SHAKES	MARGIE STAFFORD	SORJERI TANE	EDDY TAYLOR
CHRISTINA VALIDAKIS	DALE WIBBEN	MICHELE WIKI	PADDY WHITAKER
ROBERT WOELFLE	TANYA WOELFLE	MIKE WOWCZUK	ALISHA WORDEN
MEGAN WORTHY			

Personal Costumer to Mr. Momoa..... STEVEN CONSTANCIO
Standby 'Mera' Dresser ROBERTA SHAW
Standby 'Orm' & 'Manta' DresserSAM WALKER
Key Costumer CINDY ROSENTHAL
Costume Illustrators (US)ANDREW CAMPBELL

STEPHAN MARTINIERE
OKSANA NEDAVNIAYA
JAMES OXFORD
FELIPE SANCHEZ

Costume Accountant..... JAMES SCOTT
Production Assistants..... ZOA LOPEZ

KELSEY MORGAN
ALEJANDRO ORTEGA NUÑO
ROSS PHILIP
MARYSSA STUMPF

Specialty Costume Manufacture by IRONHEAD STUDIO
Specialty CostumeJOSE FERNANDEZ

Costume Builds

CHRIS ALEXANDER	MIKE DYE	BRYAN DULY	TIM ESTES
FERNANDO FAVILA	BILL FESH	HELIX GARTNER	JARED GUENTHER
THI THU HANYAK	TOMO HAYASHI	PETE KELLEY	TASHIRO KIYA
JASON MALONEY	ERIC O'NEILL	CHRIS O'NEILL	TIM RALSTON
SOPHIA RADIN	JENN ROSE	SABRINA SIEBERT	TETSU SAKAE

Hair / Make Up Designer LESLEY VANDERWALT
Hairdressers / Key Make Up Artists ANITA MORGAN

TESS NATOLI

Hairdresser / Make Up Artist to Mr. MomoaJEN STANFIELD

RAY PURKIS

JAMES PAUL
ALBERT PAYNE

THOMAS VAN KOEVERDEN

Special Effects Coordinator LEANNE BROOKS

Special Effects Senior Technicians

PIETER PLOOY
MARK STONE

RICK HOWIE
CERI NICHOLLS

DEAN FRANKLIN
KENT WILLIS

Special Effects Technicians

SHANE BAILEY
MITCHELL COX
DARREN FRANK
BERNARD GOLENKO
MATT KEOGH
MURRAY NIELSON
LAWRENCE RAHITANA

BRENDEN BROWN
CARL ERICKSON
JOEL GARDYNE
JOSH JARDINE
JOSEPHINE McAVENNA
HAUK OLAFSSON
TONY WATT

PATRICK CARMIGGELT
TIM FORD
KATHERINE GEANEY
JIM KUM KEE
ROSS MURDOCH
PETER PARRY

Special Effects CAD Design / Engineering JOHN KERWICK

Special Effects Electronic Engineer COLIN SELBY

Special Effects Breakaways Leading Hand ROB DALLEY

Special Effects Model Maker MARK WILSON

Special Effects Buyers MARK BRIMS

GREG WHITEFIELD

Special Effects Trade Assistants SHEIDEN DOYLE

DAMIEN HENDRY

TERI RICHARDSON

Assistant to James Wan TRACY KLEEMAN

Assistants to Producers CHELSEA DAVENPORT

AMELIA PRESTON

Assistant to Mr. Momoa CALDER FELTGES

Personal Trainer to Mr. Momoa MADA ABDELHAMID

Personal Trainers to Cast STUART WALTON

MARK TWIGHT

Nutritionists to Mr. Momoa KRISTA MATHIS

MARK PLATZER

Assistant to Ms. Heard SAVANNAH McMILLAN

Assistant to Mr. Wilson SARAH MANLEY

Assistant to Mr. Dafoe MADDISON BOLESWORTH

Assistant to Ms. Kidman DAISY SEYMOUR

Security to Ms. Kidman EVAN KOUTAVAKIS

Assistant to Mr. Lundgren DAVID ROSENGREN

Cast Nutritionist AMBER ROWE

Casting Associates MORGAN ROBBINS

NATALIE WALL

CLAUDIA ALISON

KELLY GRAHAM

Local Casting NIKKI BARRETT

BUD HOPES

Unit Publicist ERNIE MALIK

Still Photographer JASIN BOLAND

Dialect Coaches JENNY KENT

	PETER KENT
Safety Supervisor	SEAN RIGBY
Nurses	KATIE HARRIS
	MARGARET RUSSELL
	KALEB DAY
Transportation Manager	DAVE HEAZLEWOOD
Assistant Transportation Manager	IAN CLARK
Transportation Coordinators	JASON ROWLING
	PETER COLES
Driver for Mr. Wan	CRAIG SINCLAIR
Driver for Mr. Momoa	NEIL BRICE
Driver for Ms. Heard.....	LOUISE MANN
Driver for Ms. Kidman	HANS VAN BEUGE
Unit Manager	DAMIAN EGGINS
Assistant Unit Managers	JAMIE WHITFIELD
	TIM O'BANK
Catering & Craft Service Provided by	ZEE CATERING
Construction Supervisor.....	JOHN RANN
Assistant Construction Supervisor	ROSS CLARKE
Construction Managers	JAMIE GARDNER
	ROSS CAIRNS
	BRAD HOWARD
Construction Foremen	DANIEL EYRE
	FREDERICK HUGHES
	MICHAEL VERBEEK
	DAVID CHILDS
	ROSS DONOGHOE
	JOBI AHERN
	JOHN PICKERING
Drafting	MITCHELL CASS
Construction Accountant	JULIE STEWART
Set Buyer.....	GERALDINE TARTAN
Electrician	ANDREW BOWLER
Safety Officer.....	CHRISTOPHER HARRIS
Scenic Artist.....	CHRISTOPHER WILLIAMS
On Set Finisher	RICHARD CHONG
Head Sculptor.....	CHRISTOPHER McMAHON
Head Fiberglass.....	SHAWN EARWICKER
Foreman Rigger	AMANDA BRADFORD
Riggers / Scaffolders.....	MICHAEL TRAYNOR
	ADAM CAULCUTT
Rigger Assistant	SAMUEL ALBERTS
Digital Intermediate by	FOTOKEM CREATIVE SERVICES
Digital Intermediate Senior Colorist.....	MARK GRIFFITH
Digital Intermediate Colorist.....	PHILIP BECKNER
Digital Intermediate Editor	BOB FREDRICKSON
Digital Intermediate Producer	PAMELA SCOTT-FARR
Digital Dailies by	NEXTLAB, A DIVISION OF FOTOKEM
Dailies Colorist	GREG CURRY
Dailies Operators	TIM MOXEY
	ZAC LOY
Dailies Producer	JACKIE MATA

Loop Group

CAITLIN MCKENNA	PAUL AULICINO	YOSHI ANDO	PETER ARPESELLA
RAJIA BAROUDI	MELISSA BICKERTON	ROMY CUTLER-LENGYEL	ELISA GABRIELLI
JEAN GILPIN	RIF HUTTON	MARK IVANIR	LEX LANG
ALEX MANDELBERG	ANDREW MORGADO	DINA MORRONE	JOEY NABER
JONATHAN NICHOLS	JUAN PACHECO	JESSICA PENNINGTON	JACQUELINE PINOL
JIM PIRRI	JOE SANFELIPPO	HADEEL SITTU	PEPPER SWEENEY
MATTHEW WOLF			

Production Assistants

DAVID APONAS	BRETT ASHLEY	CARRIE BALL	MALI BEACHAM
BELLE BLAMEY	ALEXANDER CANTON	DIEGO COBIAN	DAVE COOK
PALASIS COONEY	KESH CORRIGAN	JUSTIN CROKE	JIM DENDRINOS
RAY DON	RHONDA DUVAL-REIGER	ROSIE EAGLES	SHAYE FEATHERSTON
RUSSELL GRANT	CHARLOTTE HOFFMAN	MARK HOUSTEIN	LAINIE JOHNSON
ALYCIA JOHNSTON	MURRY JOUBERT-BROOKS	VICKI KASDAGLIS	JULIAN LAWRENCE
PHIL LETHBRIDGE	MADDY LORD	CODY MARK EIAO	CHE McGUINNESS
CAMERON NICHOLAS	RAY NORRIS	KASHA PARKINSON	STEVE PARSONS
MATT PERRY	BENNY PETTIFER	PHOEBE PHILLIPS	DORIAN RIBEIRO
BEN RIDGEWELL	JOVANA RISTOVSKI	CRISTINA ROSTRANT	NADINE SCOTT
CRAIG SHULSTAD	MEL SIMS	OLIVIA SIPPEL	SHANNON SMERDON
FRANCISCO SMOJE	MAHALIA TAAL	COURTNEY TAHAU	KAREN TAHAU
PATRICK TEEFY	JODY TESSAROLO	SHAUN THOMPSON	JOE TIERNAN
ERIN TRIBBLE	BRAD VASSALLO	ISABELLE VESEY	GREIG WAGNER
KATE WILLIAMS	GRAHAM WINTER	MEAGAN WOODS	JJ YOUNG LEE

Main Titles Sequence by.....FILMOGRAPH
 End Titles bySCARLET LETTERS

2ND UNIT

Director of Photography	DAVID BURR, ACS
First Assistant Director	PJ VOETEN
Camera Operators	JACK WAREHAM GREG GILBERT
1st Assistant Camera.....	RICKY SCHAMBURG ADRIEN SEFFRIN
2nd Assistant Camera	CAMERON MURCHINSON HILARY CROMBIE
Digital Imaging Technician	MICHAEL EASTER
Production Coordinator.....	DEANNE STRATFORD
Production Secretary	CATHRYN EVANS
2nd Unit Accountant	KRISTEN KRUGER
Second Assistant Director.....	JO SUNA
2nd 2nd Assistant Directors	JAY CORRY AIMEE ROBERTSON
Assistant to John Mahaffie.....	MOLLY SULLIVAN STEVENS
Set PAs.....	OLIVIA SCHOFIELD SHAYLA GIRDLER
Key Costume Standby.....	PENNY MACKIE
Costume Standby	BIANCA MAESELEE

Costume Assistant.....	EMMA ZEMITIS
Chief Lighting Technician.....	REG GARSIDE
Assistant Chief Lighting Technician	GRANT WILSON
Lighting Technicians	MARK LEVEY
	JAMIE GARSIDE
	CHARLIE ADAM
	HARRY FLEET
	SAMI GUSTAFSSON
Board Operator.....	GLEN BIELENBERG
Key Grip.....	SIMON COOKE
Best Boy Grip	JASON HANSFORD
Dolly Grips.....	JOHN REGAN
	JIM SHEEDY
Key Rigging Grip.....	PAULO REDDIN
Grips.....	BROOKE LEDINGHAM
	RICHARD MASON
	MICHAEL KNOWLES

Rigging Grips

ROB FISHER
SHAUN DRENNAN

SEBASTIAN DICKINS
ZEBULON JENNINGS
LUI ALEFOSIO

JOHN ELLARD
ZANE JENNINGS

A Camera Dolly Assistant	AARON RAPIRA
B Camera Dolly Assistant.....	TIM WATSON
Scorpio Crane Technician.....	IAN BARTON
Libra Head Technician.....	CHRIS MALJERS
Key Makeup.....	LINDY HARTLEY
Make Up / Hair Assistant.....	REBECCA ALLEN
Art Director.....	MARK DAWSON
Marine Coordinator.....	PAT NASH
Standby Painter	KAIA KIDD
Standby Carpenter.....	RICHARD NITZ
On Set Dresser	ALEX DEVEAUX
Safety Supervisor	SAM ELIA
Script Supervisor.....	CAROLINA HAGGSTROM
Production Sound Mixer.....	SCOTT MULREADY
Boom Operator.....	ANDREW McKEAN
Underwater DOP.....	ROGER BUCKINGHAM
Dive Supervisor	ANDREW ALLEN

Divers

CARLA THEXTON
ADAM BAKER

MATT RYAN
NEIL STODDART

JASE SWAIN
CHRISTIAN BJORSETH

Unit Manager	NAT PURDON
Assistant Unit Manager.....	KIERAN SHELVIN
Video Assist.....	PETER QUINN
	HUNTER TAIT
Special Effects On Set Supervisor	ROBERT HEGGIE
Special Effects Technicians	ALI PEARCE
	CASSIE PEARCE McNAMARA

Additional Photography Unit Production Manager VICTOR HO

NEWFOUNDLAND PLATE SHOT UNIT

Associate Producer..... MARK O'NEILL
Production Manager.....LYNN ANDREWS
First Assistant Director.....TERRY STONE
Director of Photography CHRISTOPHER BALL, CSC
1st Assistant Camera..... EDDY McINNIS
2nd Assistant Camera SVETOSLAV MIHAYLOV
Utility Camera / Playback..... HERB GIBBONS
Digital Imaging Technician AARON ELLIOTT
Camera Trainee - Toronto..... JESSICA SALTER
Camera Trainee - Halifax..... YALITSA RIDEN
Camera Trainee - St. Johns KYLA SMITH
Camera Car TechBOB HARPER
Key Grip.....SEAN DORAN
Best Boy Grip MILES BARNES
Props MasterANDY PYNE
Transport Coordinator..... ANDREW JERRETT
Head Driver..... JOHN VIVIAN
Shotover Technician DANE BJERNO

MOROCCO PLATE UNIT

Line Producer..... KHADIJA ALAMI
Production Manager..... LOUIS LEWARNE
Production Coordinator..... HAJAR BELKASMI
Production Secretary RANIA TEMLI
Production Assistants..... MUSTAPHA ADIDO
KHALID SADIQI
Production Accountant..... MOUNIM HAJJAM
First Assistant Director MEHDI EL KHAUDY
Production Assistant HANAE HMIMID
Director of PhotographyERIC BIGLIETTO
A Camera 1st Assistant..... LOTFI EL GORDA
A Camera 2nd Assistant..... ANAS RACHID
B Camera Operator LILIA SELLAMI
B Camera 1st AssistantZAKARIA BADREDDINE
B Camera 2nd Assistant..... ILHAM EL ABDI
Shot Over Tech JIM SWANSON
Data Wrangler ALAA EDDINE BOUHTOURI
Video Assistant HAMZA EL GORDA
Dresser NAIMA ALAMI
Grip / Electrics AZIZ ZOUGGAR
AHMED ALARRASI
IDIR EDDADSI
HAFID BOUZZI
ANOUAR M'SSIAIDI
Location Manager KHALID AMESKANE
Assistant Location Manager MABROUK EL HAFIANI
Set Medic MUSTAPHA OIKIL

SFX Supervisor VLADISLAV LAZOV
SFX Technicians ORLIN BUDINOV
HASSAN TIB
Production Sound Mixer NOURDINE ZAOU
Visual Effects Assistants ABDELLAH EL FAKIR
ALI EL HAFIANI

ITALY PLATE UNIT

Line Producer ENZO SISTI
Assistant to Line Producer LUCIA MARASA
Unit Production Manager FABRIZIO CERATO
Production Coordinator Sicily ELEONORA SPADARO
Production Assistant MARIA COSTANZA GELARDI
Production Assistants ALESSANDRO CONTINO
DANILO LO GRASSO
GAETANO SALVO
Aerial Coordinator DAVID AMBROSI
Helicopter Pilot SERGIO FRANCESCHINI
First Assistant Director LUIGI SPOLETINI
Third Assistant Director CARLOTTA MICELI
Director of Photography ERIC BIGLIETTO
1st Assistant Camera GIAN CLAUDIO GIACOMINI
2nd Assistant Camera STEFANO PALLA
Digital Imaging Technician GASTONE FERRANTE
Key Grip FABRIZIO DIAMANTI
Grips ROBERTO DI PIETRO
ROBERTO ANGELELLI
GIAMPAOLO MAJORANA
Location Managers CHIARA SCARDAMAGLIA
CHRISTIAN PERITORE
Assistant Location Manager MAURO MARRA
Technocrane Tech & Driver IVAN CAPITANI
Lead Capture Technician EMILY ROPER
Visual Effects Wrangler HORST SARUBIN
Visual Effects Assistant IT MARCO TUDINI

Visual Effects and Animation by INDUSTRIAL LIGHT & MAGIC, A Lucasfilm Ltd. Company

Visual Effects Supervisors	PHILIPPE REBOURS	TIM ALEXANDER	ALEX PRICHARD
Animation Supervisors	CEDRIC LO	KIM OOI	
Visual Effects Producer	DAVID FOX		
Additional Visual Effects Supervisor	MATTHEW LANE		
CG Supervisors	RHYS CLARINGBULL	BARRY KANE	MATHIAS LAUTOUR
Visual Effects Art Director	FRED PALACIO		
Compositing Supervisors	VINCENT PAPAIX	PAOLO ACRI	
Visual Effects Associate Producer	MAGGIE LEUNG		

Digital Artist Supervisors

AYMERIC AUTE	MARC JONES	QUENTIN MARMIER	PASCAL RAIMBAULT
JEFFREY DE GUZMAN	GEORG KALTENBRUNNER	GEORDIE MARTINEZ	MOHAMMAD RASTKAR
HUGO DEBAT-BURKARTH	MICHAL KRIUKOW	MARTIN MURPHY	BARRY WILLIAMS
DAVID FISH	PAT LUN LAM	NAREN NAIDOO	GARY WU
RYAN HOPKINS	ZHEN YANG LEE	ERIN NICHOLSON	TAKASHI YOSHIDA

Lead Digital Artists

AARON BARR	JOSE FERNANDEZ DE CASTRO	JEAN LE KOH	CLAUS N. PEDERSEN
WALDEMAR BARTKOWIAK	PATRICK GAGNE	ADAM LEE	NEO JIET SHERN

RICARDO BONISOLI
KARHOE CHAN
KARIN COOPER
JORIK DOZY
RACHAEL DUNK
RYAN DUTOUR
LUCIO FARINA

NATHAN GARDNER
WALTER GILBERT
AARON GREY
PHILIP HARTMANN
SHERRY HITCH
ZAINI MOHAMED JALANI
STEPHEN KING

VOTCH LEVI
TOM MARTINEK
LEE McNAIR
STEPHEN MISEK
HENRIQUE DORNELES MOSER
STEFANO OGGERI
MICHAEL J. PARKER

ZIAD SHUREIH
MICHAEL STEWART
HUAI YUAN TEH
BEN TILLMANN
KATRINA TUNG
DARRIN WEHSER
ELVIN SIEW XIANGYOU

Digital Artists

JANICE TAN A.L.
DARRELL ABNEY
TSAO MIN ADRIAN
AMER ALAMEDDINE
MICHAEL J. ALLEN
KORI AMACKER
GERARD EMMANUEL AMADOR
BEVERLEY JOY ANG
GURAY AYAOKUR
NOR AZMAN
TIGRAN BADALYAN
SEUNG YEOP BAEK
EILEEN BAI
JOEL BAUTISTA
ARTHUR BAYARD
KEN BEAUCHAMP
THOMAS BEVAN
PRASHANTH BHAGAVAN
DUNCAN BLACKMAN
JAVIER BLANCO RUIZ
RYAN BOWDEN
DERRICK CARLIN
JESSE CARLSON
DANIEL FRADE CASTANEDA
ZANG S. CHEN

ALEX GOODFELLOW
JOHN GOODSON
YANN GOUMENT
MARKUS GRAF
NICHOLAS TEY KAI GUAN
NADIA GUNAWAN
RICK HANKINS
ETHAN LIM SWEE HAO
KAROLINA HARDINGER
SIMON HERDEN
ALAN HERNANDEZ
ETAY HERZ
DAVID HISANAGA
ALEX HISLOP
TAN WOEI HONG
TEO HONG
PEI-ZHI HUANG
NATAPON HUANGSAKUNCHAROEN
ALEX HUGUET PAREDES
JESSICA AMBER HURST
PAUL HUSTON
ERICH IPPEN
JOHN ISKANDAR
EVAN JACOBSON
DAEHWAN JANG

YATEEN MAHAMBREY
VINA MAHONEY
ANDREW MALESKY
EMIL MALM
GREG MASSIE
HAYDN MASUDA
PRAVEEN MATHEW
GUSTAV MELICH
JUAN CARLOS MENDOZA
APARNA MEPANI
TORY MERCER
CHELSEA KHOO HUI MING
SHIN MINJUNG
CHRIS F. MOORE
PER MØRK-JENSEN
EVAN NG
CARMEN NGAI
TRONG KHOA NGUYEN
SACHIO NISHIYAMA
ROSS NORCROSS
CIARAN O'CONNOR
WOON CHI ONG
DAVIDE PAGIN
JESSICA PAPSTEIN
IAN PARRA PATINO

DAVID SKOREPA
NATALIE SMITH
VINCENT SNG
BENJAMIN SOH
PERRY HYUN-WOO SOHN
CHRIS SOKALOFSKY
NATHAN SRIGLEY
DEREK STEVENSON
KEN STEWART
JEFF STRUTHERS
MICHAEL KING SUTANTO
SHUICHI SUZUKI
LIONEL TAILLENS
GAVIN TAN
JEFFERY TAN
RENALD TAURUSDI
SEOW TAI TEE
WILLIAM TEO
JOHN TESKA
PATRICK THOMPSON
KAZUMA TONEGAWA
ANDRE TONG
JOEL TONG
WOO YING TONG
HORIA TRANDAFIR

TOMMY CHENG
KAI HSIN CHIN
GAN SZE CHING
WONG CHIN CHIU
KELVIN CHU
JOE CHYE
NICOLAE - GHEORGHE COJOCARU
LYLE COOLEY
MICHAEL CORCORAN
KRISHNAMURTI COSTA
JAUME CREUS
MICHELLE DEAN
PABLO DEL MOLINO IZQUIERDO
AARON DENNIS
FRANCOIS-MAXENCE DESPLANQUES
RYAN DUHAIME
CORINNE DY
ABDULLAH ECIRLI
MARC ESTRADA
JACK EVANS
PAUL FAULKES
THOMAS FEJES
OMAR COSTA FERNANDES
DAN FINNEGAN
ENRICO FIORETTI
LARKIN FLYNN
RONNY GANI
JOANA GARRIDO
NICOLAS GAUTHIER
BRIAN GIACOPPO
KENNY GOH
MICHAEL GOMES
DANIEL GONZALEZ
JORGE GONZALEZ DE COSSIO
DANIEL GONZALEZ SOLOZABAL

ERIC JENNINGS
SEUNG RYONG JEON
RUSSELL CHEN JIARUI
WONGSAKORN JITBUNYACHOT
HIMANSHU JOSHI
SAMUEL CHEW JUNYAN
SAMUEL CHRISTIAN KAMBEY
CHRIS KARLBERG
MAIA KAYSER
SHAWN KELLY
PRAJAKTA KHATAL
DONGSOO KIM
OLIVER KIRCHHOFF
WONG LEONG KIT
YUNJUNG KO
LIONEL KOH
GABRIEL TAN CHYE KOON
SYLVIA KRATZSCH
KOLBY KROOK
MARTIN VIKTOR KULIG
FELDER KWEK
OSEONG KWON
FREDRIK LARSSON
YOUNG LEE
RAFAEL LESCANO
KEITH LEUNG
SYLVIE LI
LEO FENG-I LIAO
DESMOND LIN
MELISSA LIN
YEO YAN LIN
BAK LIPING
LUKAS LUNDBERG
STU MACRAE
JASON MADIGAN

DHRUVA FATAK PATHAK
VASHO PEKAR
WILLIAM LIM YEE PENG
SCOTT PENNINGROTH
DANIEL POMARES GONZALEZ
DANNY POPOVIC
SCOTT PRIOR
GABRIELA PRUSZKOWSKA
ED PULIS
NICHOLAS QUEK
FERNANDO REULE
JESSICA RIEWE CHANCE
ALI RIZVI
DYLAN ROBINSON
SASCHA ROBITZKI
GRÉGOIRE ROCHON
CALVIN ROMEYN
PHIL ROUSE
HARRISON RUTHERFORD
MARCO ENGELMANN SANTOS
GUNTHER SCHATZ
ROMAN SCHMIDT
ARVID SCHNEIDER
BRIAN SCHULTZ
KRISTIN SEDORE
APOORVA SHAH
SAM SHAH
IRFAN SHARIF
HUANG SHICONG
JIYONG SHIN
SHAWN SUN SHIYU
BRIAN SILVA
ED SIOMACCO JR.
TAY CHIN SIONG
WANNITA SIRIKUL

REETUJ TYAGI
LUKE VALLÉE
RICK VAN DE SCHOOTBRUGGE
JELLE VAN DE WEGHE
FANI VASSIADI HOGDEN
BIREN VENKATRAMAN
KIM VONGBUNYONG
MENGDI WANG
STEVEN HEAVENLY WANG
MICHAEL LEON WARE
DAVID WASHBURN
CHRIS WATKINS
HOWIE WEED
PUAH JUN WEI
ANDY WONG
DON WONG
ERIC WONG
STANLEY WONG
STEPHEN WONG
TUCKYIN WONG
CHRIS WOOD
KEVIN LI XIAO
JIN XIE
TUBA YALCIN
CHUN CHUN YANG
EDDY WONG WAI YAP
PERRY YAP
ONN SEN YE
LUK WING YI
LONG YINGHAN
OH ZHENG YONG
VINCENT YU
TIFFANY YUNG
JINGBO ZHANG
TONG ZHOU

Concept Artists

BIANCA DRAGHICI

JULIEN GAUTHIER

MICHAEL SHEFFELS

EVAN WHITEFIELD

Visual Effects Production Supervisors

CLAUDIA LI

ALÉ MELENDEZ

RACHEL REED

SHAWN SMOLENSKY

Visual Effects Production

IRENE CAI
PHUI YUNG CHAN

LINLI LIM
LLEWELYN LITTLEMORE

EDUARDO ROMERO
WILLIAM ROSS

MORGAN TELFER
LIVIA TENG

JOEL CHEYNE
ADAM ROULIN DRISCOLL
REBECCA EFROSMAN
NEIL HUGHES
BRIAN IANKOV
ENG SZE JIA

ANNA MABARAK
MAIRI MACFARLANE
NICK MIKESELL
KAROLINA O'BRIEN
FRANCES PADUA
ATIE PLUMER

INSA RUDERICH-BURCH
ANDREW SLEVIN
JORDAN SNOW
HUDSON STEWART
DANIEL TAN
SARAH TAN
ZACK MAZEROLLE

YEGOR TESLER
JUSTINE WATKINS
SEAN WICKS
KAISHA WILLIAMS
PEARLYN YEO
RACHEL HO PUI YI
KATRINA TAYLOR

Visual Effects Editors

Visual Effects Production Accountant

JAYNE PONG

STEPHEN BOWLINE
TODD GRESHUK

JENS HANSEN
NOAH LOCKWOOD

GREG NEWMAN
NOORWALLID OSMAN

EDWARD QUIGLEY
SELIM TUVI

ROB BREDOW
BORAE CHO
ANTHONY GUIRY

Production and Technical Support

JOHN KNOLL
JAGADEESH JAYAKUMAR
MING-YEN KUO

GRETCHEN LIBBY
IAN LAWSO
FARIQ SAID

RANDAL SHORE
KAZUKI TAKAHASHI
JASON WHEATLEY

Visual Effects Supervising Producers

ERIN DUSSEAULT

SUSAN GREENHOW

NICHOLAS BARNES
ZHOU BIN
JIA HSIN CHEN
CHEAH CHEE CHIN
WEI DANDAN
GOPINATHAN GOWRISHANKAR
ZHANG HAO
CHIA CHEOW HONG
ZHANG HONG
LI JIANGCHENG

SIEW JIAYI
SUN JILEI
FAN JINGJING
GAO JINGLEI
LI JINSONG
ZHANG JIXING
HARRY LAM
CHEE KIEN LEONG
EMILY LIN
QIU LINHAO

Visual Effects by BASE FX

WANG LU
JAY MEHTA
LIU MENG
SHIN NAM
NICOLE MARIA NONIS
MITUL VALLABHBHAI PATEL
SU PENG
ZHANG QIONGGE
ASHLESH KOTANGALE RAVINDRA
RAJMOHAN SINGH RAWAT

LIU SAINAN
ZHANG SHUO
ZHAO TIANHUI
QIN YAN
GUO YANG
WANG YANING
ZHANG YIXIONG
YUANG YUANLONG
CHEN ZHONGHAO
DOMINIC ZHU

Visual Effects by VIRTUOS

Visual Effects by SCANLINE VFX

Visual Effects Producer
Digital Effects Supervisor
Visual Effects Art Director
Visual Effects Associate Producers
Animation Supervisors
Visual Effects CG Supervisor
Compositing Supervisors

JULIE OROSZ
JULIUS LECHNER
CLAAS HENKE
KATHARINA KEßLER
ERIC PETEY
CHRISTOPHER MULCASTER
ADAM BALENTINE
ROBERT SCHAJER
CLEMENT YIP
MATHEW GIAMPA

Visual Effects Production Supervisors

ALEX BRANTON
CARLOS PATRICK DE LEON
ROLAND LANGSCHWERT
BARTEK OPATOWIECKI

MATT BULLOCK
EVAN FRASER
YVONNE MUIINDE
JOHANNES PETER
NICK CREW
IVO KLAUS
HARRY MUKHOPADHYAY
ANDREW ROBERTS

STEPHEN DAVIS
AREK KOMOROWSKI
DEVAN MUSSATO
MICHELE STOCCO

Digital Effects Leads

TIM ADAMS
SHANE COOK
HANNES KRIEGER
KISHORE SINGH
ESTHER YAP

ASHLEY BLYTH
JONATHAN FREISLER
NICK LEVENDUSKI
GREG TSADILAS
MATTIAS BRUNOSSON
KATARINA GACEVSKA
DYLLAN LU
SHELLEY WELCH

CURTIS CARLSON
HASAN ILHAN
JUSTIN MITCHELL
BLAIR WERSCHLER

Visual Effects Production

ALEXANDRA CARR
SANGEETH MOHAN
VISHISHTH KUMAR
GRETEL NG
ILKKA UITTO

VAN LE DO
CINDY KHOO
JOEL MENDIAS
ADAM PETRIE
LEI ZHANG
SINJE GEBAUER
ISAAC LIPSTADT
IVAN MIČKOVIĆ
ERIC SCHUMACHER

RIKKE GJERLØV HANSEN
ZACHARY MALLET
SCOTT MILLER
LISA K. SPENCE

Digital Effects Coordinators

ANKITA AGRAWAL
WENDY J. HULBERT
RICHARD ROMERO
MAX TENNESSEN

MICHAEL ARMSTRONG
ANDRÉA KISTLER
VIC SIMIELE
MATTEO D. VEGLIA
EDWARD S. BAUMAN
JULIETTE LEMAIRE
ERROL STÜSSI
THOMAS WAGENER

YERI CASANOVA
MELISSA OLSEN
CARLOS FLORES TAVITAS
ROBERT WEN REN YEH

Visual Effects Crew

JAMIE ADKINS
STEPHANIE ALVARADO
ANDREW ANDERSON
PEDRO PAULOS BELLINI
TYSON BRADOCK
CHRISTIAN BURGGRAF
KENNETH CHUA

JORDAN ALAEDDINE
LOUIS AMADEN
JOERG BAIER
FRANCIS BEZOOYEN
BABY BRAULIO
ANDRÉ CANTAREL
JESSICA CLIFTON
TOGRUL ALEXPEROV
LUIZ AMARAL
AL BAILEY
IOAN BOIERIU
BILL BRIDGES
TIM CATALANO
GREGORY COELHO

MONA LISA ALI
JONGJUN AN
PER CHRISTIAN BALAY
FERNANDO BORGES PACHECO
NATHAN BUDARICK
ADELINE CHAN
NIKO CONTE

LYDIA COSGRAVE
AARON DIXON
MIKE DREW
KALENE DUNSMOOR
MORITZ EICHE
RACHEL FOO
JAMI GIGOT-WORTH
SCOTT GUDAHL
HYUNSUG HAN
SEAN HEUSTON
MIKE HSU
SEOK RYAN JANG
JEFF KIM
KEVIN KOHRI
YADU KRISHNAN
DAMIEN LAM
WEI LING LEE
ALEXANDRA LORUSSO
CHARANA MAPATUNA
BRODY McILVEEN
JONAH MICHAUD
REUBEN MONTGOMERY
JOSIAH NATHAN
CHRIS PEMBER
SAYSANA RINTHARAMY
ENRIQUE SANDOVAL
JENS SCHNEIDER
JAEIL SEO
KODEESWARAN SHENBAGARAM
NICOLE SMITH
ALAN STUCCHI
MICHAL TURKOWSKI
ROSE WANG
SHANE CHRISTOPHER WICKLUND
ED WOU
JACOB ZAGURI
PEDRAM ZIAEI

CHRISTOPHER COURTLAND
TOBI DOMMER
CHEMS EDDINE DROUICH
CLÉMENTINE DUPONT
JAMES ELSTER
ELOI ANDALUZ FULLÀ
FRANCOIS GODOFE
CARLOS F. GUZMAN ROMAN
DAVID HARTER
CRAIG HILDITCH
ANDREW HUTCHINSON
CAROLINA JIMENEZ GARCIA
TIM KLINK
ELICIA KOO
ANDREA KRUPP
FIRDAUS LATIF
WOOHYUCK LEE
MICHAEL LOEFFLER
ALDO MARTINEZ CALZADILLA
KORBINIAN MEIER
DANIELE MIELI
JULIA MRUGALA
KEN OGBO
NICHOLAS PFEIFFER
BRENDAN ROGERS
TARKAN SARIM
RON SCHREMS
SIDDHARTH SHAH
ROOHI TOPGI
IAN SMITH
CHRISTOPHER SUTHERLAND
LEIKI VESKIMETS
THOMAS WARRENDER
CURTIS WILLIS
TOMASZ WROBEL
ASIM ZAIDI

ROBERT DIAZ
ANDREA DONGO
BOGDAN DUBOVYK
SYLVAIN DUROYON
DAN FEINSTEIN
PAUL FULLER
RICARDO GOMEZ
MARTIN HALLE
THOMAS HARTMANN
JOSIAH HOLMES HOWISON
AZADEH IRANBAN
VINCENT KANHAI
SEAN KOBUS
AARON KOZAK
SATBIR SINGH KUKREJA
CHRIS LEE
JOHN LINDSTEIN
JOE MANGIONE
ASHLEY McCORRISTON
DANIEL MEJA
JUNGYEON JANE MIN
CONRAD MURREY
SEONG JIN PARK
QUENTIN PRENANT
AMANDA ROOP
FRANZ SCHILLER
LÁSZLÓ SEBŐ
SHAREEF SHANAWANY
DAVIDE SIBILIA
NADIA SO
NEIL RUSSELL TAN
SCOTT VOSBURY
TOBY WATSON
MARK WONG
HOWARD YAN
DAMIAN ZAPRUCKI

EDGAR DIAZ
TARA DONOVAN
DYLAN DUNFORD
MIREU EEM
LOUISE FONTILLAS
MIKE GAJGA
MARIANA GORBEA
DONGHOON HAN
JASON HENREY
CHUNG-YIN HSIEH
RAJEEV JAGASIA
HANEUM KIM
CRYSTAL KOHRI
SCOTT KRAVITZ
TOYOTAKA KURODA
WU CHIEN KEN LEE
SITING LIU
ALI MAPAR
CHRIS McILVEEN
KEN MEYER
VIKRAM MOHAN
AMIT NARWANI
BRIAN PELUSO
KEVIN RIDGWAY
DAVID ROSE
YOANN SCHMID
FLAVIO SEGAL
AMRISH SHARMA
MARCELA A. SILVA
DAVID STOPFORD
GAETAN THIFFAULT
ED WALTERS
DANIEL WENNERHOLM
BJÖRN WORTMANN
SINAE YI
ZACHARIAH ZAUBI

Visual Effects by MPC, A Technicolor Company

Visual Effects Supervisor
Visual Effects Producer
Digital Effects Producer
Digital Effects Supervisor
Compositing Supervisors
Computer Graphics Supervisors
Animation Supervisors
Asset Supervisor
Digital Artist Supervisor
Visual Effects Production Managers

DARREN POE
THOMAS TANNENBERGER
KEVIN WALTER
DAMIEN STUMPF
BILL EYLER
RYAN MINTENKO
CLEMENT YIP
ANELIA ASPARUHOVA
MATTIAS ENGSTROM
TOBIAS WINBLAD
MELISSA TIERNEY

Visual Effects Production

PRATHIK BELOSE
SHELDON CASTELINO
IVAN DIAZ
JAMES HOUSTON
SINA SULTANI

LAUREN BOULET
ILINCA COJOCARU
STEPHEN DITCHBURN
ROBERT JONKER
JITHENDRAN THOTTUPURATH
JEFFREY BRYAN
QUENTIN AMAND DENIS
PHILIP DROBAR
BRADEN SCHECK
SAURABH TYAGI

RACHEL CADDEN
EKATERINA DIAZ
SEBASTIEN HIGGINS
RITESH INDRABAHADUR SINGH
LAURA WIERTZ

Lead Digital Artists

ANDREW BAIN
RAJKUMAR BS
CHRISTIAN CUNNINGHAM
WILL EARL
AYANAVA GUPTA
GIUSEPPE IMPROTA
ANTONY MAGDALINIDIS
TIMUCIN OZGER
VENKATESH RAMU
AMIT SHARMA

THOMAS BANULS
LINUS BURGHARDT
ABHIJIT DE
HESHAM EISSA
SHYAM GURUMOORTHY
FRANCESC IZQUIERDO
ERIC MALTAIS
SREELAL P S
MATHIAS RØYRVIK
PURAB SINGH
JEREMY BERRUEL
JEFFREY BURT
NIKHIL DESHMUKH
ANDREW EVDOKIMOV
ED HAWKINS
CHINMAY KUMAR DAS
ERWAN NAUDIN
SACHIN PATEKAR
JAKOB SCHMIDT
KAMALAKKANNAN VAIRAKKANNUN

KISHORE BOLOOR
ROB CHAPMAN
STEPHANIE DUBE
CHOI GIL-NAM
STU HUNTER
JOHN VICTOR M
ANDREAS NEHLS
SAJITH PS
PUSHPARAJ SETHU
CHRISTOPHER WILSON

Digital Artists

ALDRINJAISON A
LEO ABARBANEL
KUMARSINGH AKASH
DAVANE ANKUSH

BHARATHKUMAR A
MITZY AGUERO
OMAIKEL ALFARO
COLTIN ANYPOVICH

NAGASUNDEEP A
LUIS IVAN AGUILAR TORRES
SWAPNESH AMBUKAR
VUPPALA ARNI NAGA GOVIND

BHARGAVA A J
JOSELALJAYASILIN AJEX
NIGEL ANKERS
SURESH ARUMUGAKON

MANDAL ASFAK
MAHENDRA BADE
ENDRE BALINT
LEO BEALL
SUSAN BENOY
BOGDAN BONDARCHUK
MARK BURNS
HUBERT CHAN
MICHAEL CHENG
IAN ANTHONY COOKE-GRIMES
GUDIMETLA DINESH
HARI E
VARGHESE FRANCIS CHANDY
VERMA GAURAV
CHELSEA GOODCHILD
OMAR GUDJONSSON
MEGHANA GUPTA
JEANNE HEBERT
NHI NGOC HOANG
MARIA J. VENEGAS-SPADAFORA
MICHAEL JIMENEZ
MADANAMOHANA K
NALINI KALLAM
ABHYUDAY KARN
JAKE KEARNEY
LAURIE KINDIAK
BHASKARACHARI KOMARAGIRI
KRISTINA KUDRYK
GIRISH KUMAR P V
ALEJANDRO LAVRADOR
NAGARAJAN M
BABURAJAN M V
JACK McALLAN
JEREMY MESA
SANDIP MONDAL
NOZOMI NAKANO
ALINE NORDMARK
SALVADOR OLMOS
POOJA PALLAVI A
RAJESH PATIL
CLARISSA PEÑA
NASH PERERIA
STEVEN POWELL
PRANAV PUJARA
AMRITHA RAAJENDHER SHATHIAPRABHA
SAHAYA RAMESH BOSCO
SHUBHRA RAY
SEBASTIAN ROCOTOVICH APPEL
SHIVAKUMAR S
SARANG SANATHRA
NAAZ SHAHEEN KHAN
ROHAN SHRIDHAR SILIMKAR
RANJEETNAWALKISHOR SINGH
IGOR SINIATULOV
SUMIT SUBBA
PETER SUN
VIJAY SURESHRAO BONDE
DELTON TAYENJAM
JENNIFER THOMPSON
SHIVANK TYAGI
MELANIE WELDON
HONGSONG WU

SHIVARAMCHIKODE ASHOK
JULIEN BAEZA
JAMIE BALL
AMANDA BEALS
PAWEŁ BERNACIAK
VINCENT BOULOT
JONATHAN JAVIER CANALES
KUMARI CHANDA
ABHIJIT CHOUBEY
MARC CZERWIEC
PETER DOMINIK
BIJOY E V
JASMINE FURBY
SANDIP GHATAK
SUBHASHIS GOSWAMI
ARMANDO GUERRERO
JAINESH H SHAH
MYRIAH HIGGINS
HAIYING HOU
VISHAL JADHAV
REDDY JITENDER
PARTHIBAN K
BRIAN KANG
RBHARDWAJ KARTHIK
ROSS KELLY
NIKITHA KINI
CAMILA KORAN
ANIL KUMAR
MEGAN KUNTZ
YAM LEVI
LINGESH M
PANKAJ MAJUMDAR
SHAUN McLELLAN
MILES MILLER
SIVAJI N
CLAIRE NIEBERGALL
KALLINGAL NOUSHAD
HERNAN OROZCO
STANISLAV PAPONOV
SANTU PAUL
AIRAM PEÑA MANZANO
VICTORIA PETER MUTHU
SHRIKANT PRAKASH DUSANE
MAHESH PUTTA
YUSRA RABIA
PALASH RAMNARESH SONI
ROBINSON RAYAR
SRINIVAS RONGALI
DHANUSH S
ALEKSANDR SARAEV
ASHFAQ SHAIKH
LUIS SILVA
JYOTIKA SINGH
RICHE SIU
KURUPUDI SUDHIR
AJINKYA SUNIL DURGULE
SURAJ SURYA VADULAS
SHIVA TEJA Y
TIFFANY THORESON
ELENA VALVERDU PAGES
MELISSA WHITECOMB
PURUSOTHAM Y

SRINIVASRAO AVVARU
HANNAH BAHYAN
ROMAN BATAEV
BRONIC BEDNAREK
MOHANKRISHNA BINKAM
THOMAS BROCKMANN
CLINT CARLTON
SARAH CHANG
ANTHONY CHURCH
GABRIEL DE
EMELINE DOUMAGE
ALEJANDRO FERNANDEZ
JAGADISHWAR RAO G
HEROD GILANI
SATYANARAYANA GOTTAU
UTSAV KUMAR GUHA
GREGORY HAAS
DAVID HIPPI
WEI HU
SANDEEP JADHAV
RAJEEV JOY
KARTHIK K
ANURAG KAPIL
TADAOMI KAWASAKI
IVAN KHOMENKO
JOSHUA KNORR
NAVANEETHA KRISHNAN
MANISH KUMAR CHAUDHARY
DINA KUZNETSOVA
CHIA-CHUN LIN
KARTHIK M
RIJUTA MAJUMDAR
VIVEK MEHTA
GAIWAD MOHIT
NIMISHA NAIK PREM
PREMDAS NITHIN
CARLOS OCEGUERA
SIVAKUMER PADALA
VENUGOPAL PATEEL
RAHUL PAWAR
XIAOLONG PENG
SIMONE PETRACCA
AKARAMPATIL PREM
DINESH R
RABIA RAHOU
LAKSHMANA RAO
SHANE RICHARDS
KNAJMUDIN S
HARIKRISHNAN S
ANUJA SATISH PAREKH
HABIBREHMAN SHAKEEL
SARAVMIT SINGH
JASBIR SINGH
ALESSANDRA SPARREBOOM
DILIPPATIL SUJEET
DUMPALA SURENDER
BINEESH T P
AMAR THAPA
MARK TOMPKINS
LIES VELDEMAN
JEFF WOLVERTON
LEXI YOUNG

BHEEMESHWARA BABU
YUNUS BALCIOGLU
ECEM BAYSAL KAPUSUZ
JEV BELYAEV
MARTIN BISKUP
DANIEL BRYANT
BRENDA CASILLAS
HSIANG-SHENG DAVID CHENG
SEAN COGHLIN
BALAJI DEGALA
SHAE DUNSER
CHARLIE FRAIL
HAJI GADIROV
CARLES GONZALEZ
SIMON GREEN
ARIHANT GUPTA
CHRISTO HATZIGIAKOU MIS
CHI HO CHAN
SANAZ IMANZADEH
ABIMANYU JAYAPRADEESHWARAN
YASHWANTH K
AJMAL K A
ASHUTOSH KAREMORE
MARYIA KAZAKEVICH
BRIAN KIM
CHAKRAVARTHY KOCHERLA
MAGNOLIA KU LEA
SHRAVAN KUMAR K
GIRISH LAL
JIARUI LIU
RADHAKISHAN M
JORGE MARTIN
TOMER MELTSER
ANDREW MOHR
SUNILKUMARSHASTRI NAINA
THOMAS NIVET
JAMES O'DONNELL
BHAKTABAHADURKARKI PADAM
HANUMAN PATEL
THOMAS PECHEUR
ALEXIS PERASTE
SOUMIK PODDAR
KANDE PRIYANKA
SREEVINOD R
KUMARNADIPELLI RAKESH
CHATTARAVIKUMAR
THOMAS RICHARDSON
HARIPRASANATH S
NISCHAY SAH
JEFFREY SCOTT
DEVENDER SHARAD PARMAR
AVINASH SINGH
MANJOT SINGH
RAMAKRISHNA SRINIVAS
AKMAL SULTANOV
SUBHASH SURESHAN
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ARSENII TURGULAINEN
SANJIVNARWADE VIKRAMSHIL
GILLES WOUTERS
HAO YU

JACOB CLARK
ERIC QIU

MICHAEL FORNIER
SUSANA ROSALES CALZADO

KANDACE MORAN
SHANE SMITH

SOLENE MORVAN
BERNIE WONG

Software and Technology

Visual Effects by METHOD STUDIOS

Visual Effects Supervisors
Visual Effects Producers

DAVID NELSON
INEKE MAJOOR

JOSH SIMMONDS
LAURA SCHULTZ

CRAIG WENTWORTH

Visual Effects Crew

RESHAM AARON
JORDAN BARTLETT
STEFANIA CANCEMI

JIVEON BAE
CLAUDIA BLACKBURNE
LUCIA PERALITZ CAPELASTEGUI

SPRIHA BANIK
DAVE BROWN
KIEN GEAY CHAN

STEVE BARNES
PAUL BUCKLEY
POL CHANTHASARTRATSAMEE

BRAD DAVENPORT
ANDI S. EDIRISINGHE
VICTOR MAIORINO FERNANDES
SAMUEL GONON
ALEX HALSTEAD
NEIL JIANORAN
YING GHIT LA
JOHANNES MASANZ
NATHAN MITCHELL
THIJS NOIJ
GRAEME PHILLIPS
FILIPPO ROBINO
REMUS SAN DIEGO
GEORGE STONE
RAJESH VELAYUDHAN
ADRIAN WATKINS
OHKBA AMEZIANE-HASSANI
MARK BORTOLOTTI
ANKUR CHAUDHARY
DOBRIL DOBREV
HEIDI KATHRIN HARNISCH
DONG KUN KIM
OSCAR LACSON
DANIEL MORALES
JON PERRIGO
DAN RANKIN
MAYUR SAMANT
KEN SHIMIZU
JEFF TETZLAFF
COLE YAKIMCHUK

JONATHAN DERBY
DAVID EDWARDS
MARA FROELICH
AVI GOODMAN
DANIEL HOURIGAN
MORGAN JONES
RAY LEUNG
DANIEL MAY
MARCUS VINICIUS MOREIRA
MATT OMOND
RYAN PILCHER
ROBERTO RODRICKS
ALEX SMITH
BRENDAN SUTHERLAND
JESSE VICKERY
SHONNAN WIBROW
ARTEFACT
JON BRAGADO
TIM CROWSON
KATERINA DZOLGANOVSKI
RYAN D. HANSFORD
MICHELLE KORCZAK
EDY SUSANTO LIM
DANIEL NEWMAN
SERGIO PINTO
SANDY ROMERO
VINCENTE SANCHEZ
JORDAN SOLER
MAURICIO VALDERRAMA JR
HAN YANG

ANDREW DUNKERLY
GASTON EMERY
RAPHAEL GADOT
SANDRO CITRANGOLO GRASSETTI
GREG HOWE-DAVIES
ARUN KRISHNAN
JAMES LUCAS
KEITH MEURE
ADRIAN MOYES
JON OSSITT
ALEXANDRU POPESCU
SIMON ROSS
AARON STEWART
SAMANTHA THRUPP
PAUL WAGGONER
MATT WEAVER
SASHA BELIAEV
THOMAS CANT
DAVID CUNNINGHAM
JAMIE ERICKSON
MARCO IANNOCCONE
COLLIN KORTSCHAK
KODIE MACKENZIE
NATHAN PARADE DE LA FERAUDE
ALEXANDER POEI
PHILIP ROSADO
YURI SERIZAWA
DANIEL TAPIA
AMBER WILKINS
WARREN YEWCHYN

SUNIL DUTTA
TIMOTHY EUSTACE MAJOR
DARCY GEORGE
JULIAN GREGORY
SAMUEL JENSEN
EVA KRISTJANS
LEATH MATTNER
JAY C. MILLER
LIAM NANTES
ANNE SARTOR PALM
SASMIT RANADIVE
ZOE SAKER-NORRISH
PAUL STIRLING
NICHOLAS TRIPODI
SHOSHANAH WALL
DREW WOOD-DAVIES
KAMAL BHARDWAJ
ANDREW CHANG
MARK DERKSEN
LIZ FELDSTEIN
JIN JI
LEONARDO KRAJDEN
NELSON MIRANDA
ANDREW PARK
JEFF RANASINGHE
ERICK SALAZAR
STEVE SHEARSTON
ADAM TATE
ROBERT A. WILLIS
COBOL YU

Visual Effects by RODEO VISUAL EFFECTS COMPANY

JULIEN HERY
SÉBASTIEN MOREAU
LORIE BUSSIERES
CORENTIN BACHELET
GUILLAUME SIADOUS
DANIEL LUPIEN
CHRISTOPHER NIX
FLORENCE DURANTE
FRANCIS LAROUCHE
JOCELYN TREMBLAY
KARTHIC RAMESH
ALEXANDRE DUMONT

RAPHAEL LETERTRE
NANCY LAMONTAGNE
FRÉDÉRIQUE GOLLAIN
STÉPHANE PACCOLAT
ALEXANDRU BANUTA
STÉPHANE CHAYA
LOUIS-DAVID PAQUETTE
CELINE ZAPATER
HARRISON WANG
JEEHO LEE
JEAN-PHILIPPE VOYER
LOUIS YEUM

DON KENNEDY
EMILIE GAGNON
NATHAN ARBUCKLE
OMAR GARCIA CASTANEDA
FRÉDÉRIC SIMARD
PIOTR ZYLA
ERIC LARIVÉE
RYLAN MATTES
PIER-LUC VERVILLE
DOMINIC PICHÉ
MAKSIM DOSLO
GERMAN DE BENITO

PHILIPPE SOEIRO
LISA BARBIER
SÉBASTIEN FERNANDEZ
PHILIP HARRIS-GENOIS
MICHELANGELO FRISONI
JÉRÉMIE MAHEU
ALYSON LAMONTAGNE
SÉBASTIEN REGERT
IVAN ARSIC
KEVIN LANDRY
MICHAEL KARP
MARIANNE ROBERGE

Visual Effects by WETA DIGITAL LIMITED

DANIEL MACARIN
DIMITRI BREIDENBACH
GEMMA COOPER
NAVEEN SHUKLA

ROBIN HOLLANDER
JONATHAN CARRE
PRERANA JAISWAL
PATRICK THOMPSON

RYAN HEELAN
NORMAN CATES
SERGIO PICKELNY
GREG A. VANZYL

LEX DE VROOMEN
BIMLA CHALL
EMRYS PLAISTED
ARMANDO VELAZQUEZ FRANCO

Visual Effects by CANTINA CREATIVE

Visual Effects by DIGITAL DOMAIN

Visual Effects Supervisor
Visual Effects Producers
Postvisualization Supervisors
Visual Effects Crew

JAY BARTON

ERIC KIMELTON

KEVIN WILLIAMS

HANZHI TANG

FRANCISCO P. RAMOS II

RYAN WILK

SCOTT MEADOWS

CHARLES-FELIX CHABERT

FRANKIE STELLATO

FRANCIS PUTHANANGADI

JUAN PABLO ALLGEIER

Visual Effects by LUMA PICTURES

ALEJANDRO SOLOZANO
EDDIE PORTER
JUSTIN BRUNETT
RAPHAEL A. PIMENTEL

ALEX KHAN
GIAN LOMBARDI
LILY MORGAN
SHELDON NEILL

CAMERON SORGI
JARED SIMETH
MARCOS ROMERO
THANA SIRIPOPUNGUL

CATHERINE HUGHES
JOE CENSOPLANO
MEAGAN GREEN
VINCE CIRELLI

Visual Effects by PRIME FOCUS VFX LTD.

Visualization by PROOF, INC.

Postvisualization Supervisor	CHRISTOPHER BATTY		
Compositing Supervisor	JOHNATHON RANDALL CORMIER		
Digital Artists	MICHAEL SOLORZANO	NATHAN KOGA	JEREMIAH FORKKIO

Visualization by THE THIRD FLOOR, INC.

Previsualization Supervisors	SHAWN HULL	JASON PATRICK SMITH	JASON THIELEN
Virtual Production Supervisors	ERIC CARNEY	CASEY SCHATZ	STEVEN TOM
		Previsualization Artists	
ERIC DEUEL	JOHN HASBROOK	BEN SHUPE	ROBERT WIESE
NATHAN ABREU	CHRISSE ALVAREZ	GENNADY BABICHENKO	MIKE PHAROAH BARRETT
MARIANNE BELL	JOURDAN BIZIOU	ANDY CADZOW	IRENE CORDERO
BRIAN GIDEON DUNN	ARIEL FEBLOWITZ	ELIZABETH GOLAN	DANO GOLDMAN
STEVEN PIERRE GORDON	JOE HENDERSON	ANDREW HWANG	ALEXANDER ISAKSSON
JACK KOSOYAN	ROBERT KREPS	VICTOR LATOUR	MARK LEE
SHAWN SANGHYUN LEE	MAULIK MAJMUDAR	CARLOS MENDOZA JR.	TOM MULHALL
MELISSA MURPHY	FRANCISCO PACHECO	MARC PURNELL	DAVID SUDD
BILLY TAI	MELISSA THOMPSON	ALEXANDRA ZEDALIS	DEREK ZIVOLICH
Virtual Production Artists	DEREK COLE	MORGAN KELLUM	KIERSTEN SWETE
Visual Effects Production	BRETT GRISHAM	AMANDA COLLINS	NATHALIA MURRAY
CHRISTOPHER EDWARDS	EVELYN COVER	CHARLOTTE NELSON	EMILY UNRUH

Visualization by DAY FOR NITE

KYLE ROBINSON	GARETH COWAN	ANDY CADZ	NIGEL ALLAN
JURI FRIPP	SARAH COLLIER	LUCAS NEWTON	JASON PEEK

Visualization by HALON ENTERTAINMENT LLC

Previsualization Supervisor	RYAN McCOY
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Visualization by HOLLYWOOD VFX Lidar Scanning & Cyber Scanning by CLEAR ANGLE STUDIOS

Virtual Production by ANIMATRIK FILM DESIGN INC.

BRETT INESON	TROY PROVENCAL	TIM BOBYK	DANIEL SKOVLI
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3D Conversion by GENER8

Stereo Supervisors	RITESH AGGARWAL	JIMMY PHILLIP	
Stereo Producers	PAUL BECKER	ROHAN DESAI	MONIKA HADA
Stereo Production Supervisors	GAURAV JAIN	ANNSH PATEL	RESHMA JHANGIMAL
		Stereo Production	
ABHISHEK PATAK	GAUREE PATIL	PRANALI SHINDE	SANTOSH SHUKLA
AHMED OSMAN	GUFRAH KHAN	RAMEEZ MUKADDAM	SAVIO CRUZ
ALEXANDER ASTURIAS	HECTOR MARTINEZ	RAVIKUMAR SINGH	SEERAT BAWA
ANUSHKA MUNSHI	JAMES TAM	RAVINDER SINGH BISHNOI	SREEKANTH BOYAPATI
BENEDICT MURRAY	JOGINDER SINGH	RITISHA SINGH	SUDARSHAN JHA
CASSIUS VAZ	LAXMI PATEL	RIYAZUDDIN MOHAMMED	VINAY GAUTAM
GAGAN KATHURIA	PARMINDER GOYAL	SACHIN MOHAN GHANWAT	WILFRED SEQUIERA
		Stereo Pipeline and Editorial	
RICHARD PRING	ISAAC GUENARD	CHARLIE LUCE	ROBIN EMERSON
CALEB TAYLOR	DEBAJIT BARMAN	RAJAE HAIKI	SHENYAN LIU
		Stereo Artists	
ADARSH RM	GEORGE FERRIS	OMKAR S RAHATE	SANDEEP GAMRE
AJITESH TIWARI	BACCHE SACHIN	PABLO WANG	SANDEEP LOKHANDE
ALESSANDRO MASTANDREA	HIMANSHU AJMERA	PASCAL LAMOUREUX-MIRON	SATYA RAJARJAN
ASHOKKUMAR PRAJAPATI	JITENDRA RAMASHRE CHOUHAN	PERLA VENKATESWARLU	SHIVANGI PANDEY
ASHUTOSH KUMAR	JOEL CLERMONT	PHANIE PARENT	SHRAVAN KUMAR CHENNURI
BHAVYA DIXIT	KARTHIK KANNURI	PRAKASH CHORGE	SRINIVASULU POTTABATTULA
BHUSHAN PATIL	KIRAN PARMAR	PRASHANTH KUMAR JAKKULA	SURESH KOTHI
BINOY THOMAS	KUNAL NAGWEKAR	PRAATEEK SHARMA	SWAPNIL HAJGUDE
CHANDRAPRAKASH SINGH	KUVAR RAHUL SINGH	PRIYA JADHAV	THOMAS BACANU
DANIEL CARPENTER	KYOKO FUKISHAMA	RAHUL SHARMA	UDAY KUMAR REDDY JILLELLA
DEVRIISHI CHATTORAJ	MANU JAIN	RATNASAGAR S	VAIBHAV DESHMUKH

DHIRAJ SUKHEJA
ERIK CLASSEN
ERIN NOVAK
EZRA PIKE

MATT LUTES
NARENDRA CHAGANTI
NAVYA MYSA
NISHANT NARANG

RAVINDRA SINGH RATHORE
ROHAN THIRKEY
ROOPESH YADAGIRI
SAMEER SAMANT

VARION PEREIRA
VASANT MOGAL
VINAY DAS
VINAY PRATAP SINGH

Music Editors PAUL RABJOHNS
JJ GEORGE
Music Orchestrated by ALASTAIR KING
Score Mixed by ALAN MEYERSON
SETH WALDMANN
JASON LARocca
Score Recorded by ALAN MEYERSON & JASON LARocca
Technical Score Engineer FOREST CHRISTENSON
Pro Tools Recordist: KEVIN GLOBERMAN
Orchestra Conducted by ALASTAIR KING, NICK GLENNIE-SMITH
Choir LONDON VOICES
Solo Guitarist TONY CLARK
Music Preparation SUZIE KATAYAMA
Additional Music by EVAN JOLLY
SVEN FAULCONER

SOUNDTRACK ALBUM ON WATERTOWER MUSIC

“Stingray”

Written by Barry Gray

"Sæglópur"

Written by Orri Pall Dyrason, Kjartan
Sveinsson, Jon Thor Birgisson and Georg
Holm

Performed by Sigur Rós
Courtesy of Krunk

“Know My Name”

Written by Cory Hueston, Jayson Robbins and
Michael Green

Performed by The Blancos

Courtesy of Lava Music / Republic Records
Under license from Universal Music
Enterprises

“Safari Song”

Written by Daniel Wager, Joshua Kiszka,
Samuel Kiszka and Jacob Kiszka

Performed by Greta Van Fleet

Courtesy of Lava Music / Republic Records
Under license from Universal Music
Enterprises

“It’s No Good (Charlie Clouser Remix)”

Written by Martin Gore

Performed by Depeche Mode

Courtesy of Venusnote Ltd. and Sony Music
Entertainment International Ltd.
By arrangement with Sony Music
Entertainment

Courtesy of Sire Records

By arrangement with Warner Music Group
Film and TV Licensing

“Ocean To Ocean”

Written by David Paich, Jeff Porcaro,
Armando C. Perez, George Bechara, James
Saaib, Bianca Oechsle and Gabriel Dunn

Performed by Pitbull feat. Rhea

Produced by George “GWizard” Bechara and
James Saaib

Courtesy of Mr. 305 Records

Contains an interpolation of “Africa” written
by David Paich and Jeff Porcaro

“She’s A Mystery To Me”

Written by Paul Hewson and Dave Evans
Performed by Roy Orbison

Trench Sequence

Composed by Joseph Bishara

Courtesy of Legacy Recordings, a division of
Sony Music Entertainment
By arrangement with Sony Music
Entertainment

“Everything I Need”

Written by Skylar Grey and Elliott Taylor

Performed by Skylar Grey

Produced by Rupert Gregson-Williams and
Jason Evigan

Courtesy of KIDinaKORNER / Interscope
Records

Under license from Universal Music
Enterprises

Special Thanks
NICK CARDY
PETER DAVID
RAMONA FRADON
BOB HANEY
ESTEBAN MAROTO
JACK MILLER
PAUL PELLETIER
JOE PRADO
IVAN REIS

Courtesy of Parley for the Oceans

Stingray licensed by ITV Studios Global Entertainment

The Dutch Ministry of Defence

Camera Cranes & Dollies & Hydrascope Telescoping Crane Arm by CHAPMAN/LEONARD STUDIO
EQUIPMENT, INC.

IMAX bug:
Specially Formatted For IMAX

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